

**UNIVERSITY OF RUSE**

**FACULTY**

**OF PUBLIC HEALTH AND HEALTH CARE**

**Erasmus ECTS**

**Information Package**

Prof. Nikola Sabev, PhD mult

Dean

University of Ruse

8 Studentska Street

7017 Ruse

tel./fax: + 359 82 888 410

E-mail: [dbratanov@uni-ruse.bg](mailto:dbratanov@uni-ruse.bg)

# **UNDERGRADUATE STUDIES IN MIDWIFERY**

**PROFESSIONAL STANDARDS OF A BACHELOR IN MIDWIFERY**

Degree:	<b>Bachelor</b>
Professional Qualification:	<b>Midwife</b>
Duration:	<b>4 years (8 semesters)</b>

**The degree course in midwifery is a regulated profession from the professional field of Health care.**

A midwife acquires higher education after successful completion of an accredited higher education institution on the territory of the Republic of Bulgaria or the EU. Training in Bulgaria corresponds to the Ordinance on Unified state requirements / Decree 248 / 22.11.2005, Decree № 257 / 01.11.2010, Decree № 86 / 15.04.2016, Decree № 1 / 08.02.2011, Directive 2005 / 36 / EC and Directive 2013/55 / EC of the European Union and for the other EU Member States it complies with local legislation.

The practical training is carried out in hospitals that have received a positive accreditation assessment for education of students under Art. 90, para. 1 item 2 of the Law for the medical establishments. The diploma gives the right to practice the profession of a midwife.

**The educational goal** of the specialty is to prepare highly qualified specialists, competent to carry out promotive, preventive, curative activity and health education. The students gain theoretical knowledge and acquire the necessary practical skills and competencies to be able to provide obstetric care, at the level of individuals and their families, as well as on a group level. On a group level, students will participate in the prevention of motherhood and childhood health and in the health education of the population. On an individual level patiently listening to and supporting the patient will allow students to receive in-depth information to make comprehensive, systematic and accurate assessment of the patient's needs for obstetric care. This will lead to the development of a quality plan for the realization and provision of individual and complete obstetric care.

The final outcomes of the training consist of acquiring competencies in the following areas:

- **General skills** – communication skills, language and computer skills, ability to effectively assess functional capacity based on clinical thinking, use of information technology capability for continuous professional development and teamwork.
- **Knowledge of basic science** – biological, humanitarian and clinical disciplines.
- **Specific skills and competencies** in the field of general nursing and midwifery care and their specificity in different age groups and nosological units. Skills and competencies to solve gynecological, somatic, psychological and social problems of the person or the group. Forming a proper clinical and practical experience in working with other medical professionals. Competence allowing midwife to assume fully and to the extent necessary liability, except in pathological cases to monitor the prenatal phase and provide prenatal care, childbirth and subsequent manipulations, postnatal care and to revive the newborn until the arrival of a doctor. Competence for providing advice on her own and also providing guidance and support to patients and their relatives. Competence to analyze the quality of health care in order to improve personal professional practice. Competences to carry out medical and health care activities, socialization, readaptation and rehabilitation. Ability to perform manipulations - intradermal, subcutaneous, intramuscular, intravenous injections, intravenous infusions and other treatments and activities regulated as individual and by medical appointments in the Ordinance № 1 of 08.02.2011 on professional activities that nurses, midwives, associated medical specialists and healthcare assistants can carry out by appointment or on their own.
- **Knowledge of specific conditions** – health system, ethical, moral and legal norms, the role of other professionals of the multidisciplinary team. The profession of the midwife requires dynamism, security and employment opportunities in terms of emotional and intellectual tension load.

The curriculum was developed in compliance with the Unified State Requirements for acquiring higher education in Midwifery with "Bachelor" degree, the Bologna Declaration and the ECTS system for accumulation and transfer of credits in higher education. Training is done through obligatory, compulsory elective and optional subjects.

**Compulsory courses are grouped in the following modules:**

- *Basic humanities* – develop communication skills to communicate with patients and their relatives, analysis and use of specialized information. They provide knowledge about professional ethics and deontology and the necessity to respect the principles of confidentiality. Acquisition of knowledge in medical psychology and medical education, informatics, principles and methodology of training;
- *Basic medical-biological disciplines* – they provide a theoretical basis for building specialized training. The module includes courses in anatomy, biochemistry, physiology, hygiene, disaster management, Latin medical terminology;
- *Clinical disciplines* – they provide knowledge about the basic pathological processes and disease states in the field of obstetrics, gynecology, neonatology, internal medicine, pediatrics, neurological and psychiatric diseases, surgical diseases, otorhinolaryngological and ophthalmic diseases, infectious diseases;
- *Special disciplines* – integrated knowledge of structural and functional abnormalities in the overall therapeutic approach and in particular the specialized use of obstetric care in various diseases. This cycle includes the following courses: Introduction to Philosophy and nursing and midwifery care unit, Practical basics of nursing and obstetric care, including: Special care for pregnant women with normal and abnormal pregnancy, Special care for pregnant mothers and gynecological patients with somatic diseases care in gynecological diseases, special care for pregnant women and mothers with surgical diseases, special care at birth, normal and pathological childbirth care in women with normal and pathological puerperium, Special care for pregnant mothers and gynecological patients with infectious and venereal diseases, special care for pregnant mothers in anesthesiology and intensive therapy, special care for children in neonatology and pediatrics.

**Elective and optional courses provide an opportunity** to acquire specific knowledge and skills depending on the interests of students.

**The practical training is conducted through:**

- *Clinical Practice - 1140 hours (from I to VI semester).*
- *Pre-graduation internship - 2 x 800 astronomic hours (20 weeks) in the VII<sup>th</sup> and VIII<sup>th</sup> semester.*

Higher education training in midwifery at a bachelor degree ends with state exams in:

1. Philosophy of obstetric care. Theoretical and practical foundations of general and special obstetric care.
2. Neonatology and pediatric diseases - midwifery and care activities.
3. Obstetrics and gynecology – obstetric care and activities.
4. Social medicine with health promotion and social and health legislation.

### **Career prospects:**

The acquired volume of theoretical and practical training of the midwife gives her the right to work in gynecological institutions and departments of medical-prophylactic network – maternity ward with delivery room, neonatology department, risk pregnancy, gynecology, all surgeries in obstetrics-gynecology wards, outpatient care, infertility units, socio-legal, colposcopy, children and youth, office for check-ups, medical and genetic counseling units for family planning, preventive compartments for mass screening, cancer hospitals, wards and offices in specialized sanitary-resort establishments, AG departments and offices in other specialized hospitals, scientific research medical institutes, departments of anesthesiology, resuscitation and intensive care.

The midwife has the right to organize and manage health structures for health promotion, preventive health care, health education and training for pregnant mothers and their families – women and children counseling, schools for parents, schools of nursing and others.

The harmonization of preparation of Midwives with Directive 2005/36/EC of the European Parliament and the Council of 07.09.2005, and the Directive 2013/55/EC on the recognition of professional qualifications is a prerequisite for future compatibility of diplomas.

The diploma also gives the opportunity for continuing education of the midwife to acquire majors, according to Ordinance № 1 of 01.22.2015 on acquiring specialty in the healthcare system, issued by the Minister of Health, prom. SG. 7 on 01/27/2015. The midwives can continue their education in master educational degree in Management of health care; acquisition of educational degree "Master" in Public Health and Health Management and the specialty Clinical Social Work, receiving other training in other universities in Bulgaria; acquiring educational and scientific degree "Doctor" in Management of Health Care.

**CURRICULUM**  
of the degree course in MIDWIFERY

**First year**

<b>Code</b>	<b>First term</b>	<b>ECTS</b>	<b>Code</b>	<b>Second term</b>	<b>ECTS</b>
S02721	Human Anatomy	3	SB10056	Human physiology and pathological physiology	4
S01247	Medical equipment in obstetrics and gynaecology	1	S00098	Human general clinical pathology	1
S04125	Medical psychology	2	SB14358	Obstetrics I	6
SB10085	Sexology and family planning	2	S04064	Clinical laboratory and biochemistry	2
SB10050	Philosophy and introduction to nursing and midwifery care I	6	SB10058	Philosophy and introduction to nursing and midwifery care II	2
SB10051	Special care for pregnant women with normal pregnancy	4	SB10076	Special care for gynaecological conditions	3
S02761	Latin with medical terminology	2	S01058	Internal diseases	2
S02757	Information technologies	4	SB10060	Clinical practice II	7
SB10052	Clinical practice I	4	SB14365	Special care for pregnant women, women in labour and gynaecological conditions with infectious and venereal diseases	1
S01329	Medical nutrition	1	<b>Elective courses (students choose one course)</b>		
S02054	Hygiene and Ecology	1	SB14360	Women's consultation in normal and pathological pregnancy	2
			SB15303	Obstetric care for sexually transmitted diseases	2
	<b>Total for the term:</b>	<b>30</b>		<b>Total for the term:</b>	<b>30</b>
SB13965	Sports	2	SB13965	Sports	2

## Second year

<b>Code</b>	<b>Third term</b>	<b>ECTS</b>	<b>Code</b>	<b>Fourth term</b>	<b>ECTS</b>
SB14361	Obstetrics II	6	SB10064	Obstetrics III	5
SB10065	Gynecology I	3	SB10075	Gynecology II	4
S04116	Pediatrics	2	S04120	Dermatology and venerology	1
S01239	Psychiatry	1	S04121	Anaesthesiology, resuscitation and intensive care	2
S04101	Microbiology, parasitology and virology	2	SB10059	Pharmacology	3
S02049	Surgery		SB10077	Special care during normal and pathological delivery II	2
S14362	Special care for pregnant women and women in labor with surgical diseases	2	SB14363	Special care of women with normal and pathological puerperium	4
S04115	Special care for pregnant women with pathological pregnancy	1	S04007	Neurology	1
SB10066	Special care during normal and pathological delivery I	4	S04111	Principles and methodology of teaching	3
SB10067	Clinical practice III	7	SB10079	Clinical practice IV	7
		1			
<b>Optional disciplines</b>			<b>Optional disciplines</b>		
SB10071	Foreign language	6	SB10080	Foreign language	6
SB13764	Health economics	2	SB10082	Research methodology	2
SB13965	Sports	1	SB13965	Sports	1
	<b>Total for the term:</b>	<b>30</b>		<b>Total for the term:</b>	<b>30</b>

## Third year

<b>Code</b>	<b>Fifth term</b>	<b>ECTS</b>	<b>Code</b>	<b>Sixth term</b>	<b>ECTS</b>
S04124	Infectious diseases and epidemiology	2	SB10088	Special care for children in neonatology and pediatrics	4
S02053	Medical genetics	2	SB15146	Physiotherapy and rehabilitation	1
SB14364	Obstetrics IV	3	SB10089	Social and health legislation	2
SB10083	Gynecology III	5	S04081	Otorhinolaryngology	1
S00104	Medical imaging in obstetrics and gynecology	1	S04084	Medical provision in disasters	2
S02057	Medical ethics and deontology	2	SB15675	Obstetric and nursing care for women with oncology conditions	2
S04073	Ophthalmology	1	SB10090	Clinical practice VI	12
SB14366	Special care for pregnant and women in labour in anaesthesiology and intensive therapy	2	S04044	Neonatology	2
SB10086	Clinical practice V	10	S02052	Social medicine and health promotion	2
SB14359	Special care for pregnant women, women in labour and gynaecological conditions with somatic diseases	2			
<b>Optional disciplines</b>			<b>Elective courses (students choose one course)</b>		
SB10087	Operating equipment	2	SB15254	Affective disorders	2
SB13965	Sport	1	S02051	Nursing and obstetric care in outpatient care	2
	<b>Total for the term:</b>	<b>30</b>		<b>Total for the term:</b>	<b>30</b>

## Fourth year

<i>Code</i>	<i>Seventh term</i>	<i>ECTS</i>	<i>Code</i>	<i>Eighth term</i>	<i>ECTS</i>
SB10094	Pre-graduation internship	25	SB10095	Pre-graduation internship	25
			<b>Graduation</b>		
			S04138	State Examinations: Philosophy of obstetric care. Theoretical and practical foundations of general and special obstetric care	3
			S04139	Neonatology and pediatrics - obstetric activities and care	2
			S04140	Obstetrics and gynecology - obstetric activities and care	3
S04141	Social medicine with health promotion and social and health legislation	2			
<b>Total for the term:</b>		<b>25</b>	<b>Total for the term:</b>		<b>35</b>

**Total for the course of study: 240 ECTS credits**



**S02721 Human Anatomy****ECTS credits:** 3**Assessment:** exam**Departments involved:**Department of Health Care,  
Faculty of Public Health and Health Care**Lecturers:**Assoc. Prof. Dimitar Stavrev, dept. of Public Health and Social Work, GSM: +359 895 718 773,  
E-mail: dgstavrev@abv.bg**Abstract:**

Purpose and objectives of the course is to provide midwives to get a system of knowledge about the structure of the human body. The anatomy training covers knowledge of biomechanics of the locomotor system, the nervous, endocrine, digestive, cardiovascular, respiratory, urinary, male and female reproductive system.

**Course content:**

The program includes topics affecting the structure of the human body - joints, internal organs, circulatory system, nervous system and sensory organs.

**Teaching and assessment:**

Classes – lectures and practical exercises are conducted in specialized rooms and in real conditions. Current control is conducted through lectures and exercises. The final grade is formed after the exam.

**Weekly classes:** 2l+0s+0lab+1p**Type of exam:** oral and practical**S01247 Medical Equipment in Obstetrics and Gynecological Practice****ECTS credits:** 1**Assessment:** exam**Departments involved:**Department of Health Care,  
Faculty of Public Health and Health Care**Lecturers:**

Assoc. Prof. Anelia Manukova, E-mail: amanukova@uni-ruse.bg, dept. of Public Health,

**Abstract:**

The course aims at acquainting the students with the methodological and equipment problems of modern biomedical engineering, introducing students to the main areas of application of technical equipment in obstetrics and gynecological practice. Practical exercises are aimed at creating skills for experimental studies of various medical apparatus and solving tasks in the field of clinical applications.

**Course content:**

Biological action of the electric current and electrical requirements. Electromagnetic background, optical recording apparatus of biopotential-electrocardiogram. Measuring temperature, blood flow and pressure. Incubators and anesthesia-breathing apparatus. Sterilizers.

**Teaching and assessment:**

The lectures give the main theoretical knowledge through demonstrations of electronic medical devices and medical systems. Practical exercises help students acquire the skills and habits of independent work with various medical devices and medical systems. The final assessment is based on a written exam.

**Weekly classes:** 0,5l+0s+0lab+0,5p**Type of exam:** oral and practical

**S04125 Medical Psychology****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Silvia Krushkova, PhD, dept. of Health Care, GSM: +359882517554,

E-mail: krovshkova@mail.bg

**Abstract:**

The objective of the course in Medical Psychology is to give students knowledge about the main psychological and social problems, which occur as a result of psychic or psychological disorders or somatic deficit taking into consideration the bio-psychosocial model of the psychological and adaptive disorders.

**Course content:**

The course includes different aspects (biological, social, psychological and clinical) of people with somatic, psychic or psychological deficit and the psychological and adaptive disorders, which have appeared as a result to these factors. The objective of the course on Medical Psychology is to give the students from the degree course Midwife knowledge about the theoretical and applicable aspects by using the bio-psychosocial approach in the diagnostics, the rehabilitation and the consultation therapy by patients who need psychiatric or psychological help.

**Teaching and assessment:**

Teaching includes lectures and exercises. Computer presentations and multimedia are used during the lectures for visualizing the teaching process. The seminar exercises are held immediately after each lecture topic.

Methods of teaching: modern interactive methods – presentations, discussions, talks, case studies, and situational tasks. The use of case studies and situational tasks helps to develop the necessary skills of the students for work on their own. It stimulates their professional development and creative activity. The final mark is based on the 6 grade system. The minimum required level of competence is satisfactory 3. The grade is formed after a passed exam on an examination synopsis, covering the whole studied material.

**SB10085 Sexology and Family Planning****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Pencho Genov, MD, PhD, dept. of Health Care, GSM: +359895606380, E-mail: pgenov@uni-ruse.bg

Assist. Prof. Kina Velcheva, PhD, dept. of Health Care, GSM: +359 884 327 341, E-mail: kvelcheva@uni-ruse.bg

**Abstract:**

The aim of the training in Sexology and family planning is to provide students upgradeable competence to work in outpatient and stationary gynecological and general medical sectors, consultant services for family planning, as well as related activities in the field of sexual and reproductive health.

**Course content:**

The program includes educational content related to basic knowledge about human sexuality, sexual and reproductive health, the consultation process and consulting skills needed to work effectively in the field of family planning

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures are held in the auditorium equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are conducted in accredited clinical training facilities for students whose major degree course is in "Midwife" University of Ruse. Teaching methods: modern interactive methods - presentation, discussion, lectures and case studies. The final result is a six-point scale, with the minimum required level of competence is Satisfactory (3). It is formed after an examination, to establish a compendium including all the studied material.

**SB10050 Philosophy and Introduction to Nursing and Midwifery Care I****ECTS credits:** 6**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Kina Velcheva, PhD, dept. of Health Care, GSM: +359 884 327 341, E-mail: kvelcheva@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The aim of the course is to reveal and clarify the nature of general and special nursing and midwifery care and their specificity for different women - healthy and sick, in a different age range. The course lays the foundations of knowledge, skills and competencies on which the future professional midwife will be formed. The course is fundamental to the theory and practice of nursing and midwifery care.

**Course content:**

The course deals with the philosophical aspects of obstetrics and sisterhood; communications midwives, nursing and midwifery approach to care, supervision, registration and assessment of functional status of the patient's drug therapy, injection technique.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures are held in the lecture hall, well equipped with the necessary visual aids. Practical exercises are conducted in specialized classrooms of Obstetrics and Gynecology, Complex for professional field "Health Care" at University of Ruse. The final grade is based on the exam, which is in two parts. The theoretical part of the exam is based on the lecture topics and practical exercise.

**SB10051 Special Care for Pregnant Women with Normal Pregnancy****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644,

E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793,

E-mail: tshristova@uni-ruse.bg

**Abstract:**

The discipline aims at revealing and clarifying the character of general and special nursing and obstetric care and their specificity in pregnant women with normal pregnancy and at laying the foundations of knowledge, skills and competencies on which the professionalism of future midwives will be formed. The course lays the foundation for studying the discipline "Special care for pregnant women with abnormal pregnancy", taught in the third semester after learning of Obstetrics I and II. The subject in the first semester provides a logical connection of the knowledge, skills and competences required in the unified national requirements in Practical foundations of nursing and midwifery care.

**Course content:**

Topics included: special hygienic care for pregnant women with normal pregnancy, taking obstetric history, signs of early and late pregnancy. inspection, palpation, auscultation of pregnant, working with monitor and obstetrical ultrasound equipment. Practical exercises include hygiene care, feeding pregnant, research and recording of physiological indices, therapy, injection technique.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Training media include: multimedia, interactive boards, panels, models, phantom, simulated patient, simulated and real hospital environment, computers, videos that are WEB based and used as preparation for the practical exercise and the verification of the acquired skills. The final result is a six-point scale, and is formed after the test, which is in two parts, theoretical and practical training, pre-prepared syllabus in 2 parts, including all the studied material.

**S02761 Latin with Medical Terminology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikolina Angelova, PhD, MD, dept. of Health Care, GSM: +359 888 747 347,

E-mail: nangelova@uni-ruse.bg

Assist. Prof. Maya Stoyanova, tel.+359 82 845 281, E-mail: mstoyanova@uni-ruse.bg

**Abstract:**

The training aims at introducing the students to the most significant and necessary minimum for proper handling of medical and scientific terminology. On the basis of the covered grammatical and lexical minimum at the end of the course students should be able to read and translate with a dictionary older Latin texts to learn medical scientific terminology. Learning Latin phrases and sentences will expand general language and cultural horizons.

**Course content:**

Alphabet. Pronunciation. Parts of speech. Verb - conjugation. Noun. Adjective. Pronoun. Numerals. Declensions. Word formation. Recipe. Dosage forms

**Teaching and assessment:**

The methodology of work is consistent with the specifics of the Midwife syllabus. The exercises are held in small groups in which each student has the maximum opportunity for personal expression.

**S02757 Informatics****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Informatics and Information Technologies

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Desislava Atanasova, PhD, dept. of Informatics and Information Technologies, tel.+359 888 326,

E-mail: datanasova@uni-ruse.bg

**Abstract:**

The course aims at familiarizing students with the computer as a technical tool that make it an invaluable assistant in the daily work of spetsialists from all areas. The aim of the exercises is acquiring knowledge and skills to work with modern software for word processing, spreadsheets and graphic systems.

**Course content:**

A brief history of the development of computers. Characteristics of generations and computers. Classification of computers. Operating and programming part. Operating Systems. Operating systems with graphical interface. Word processing systems - nature, purpose, opportunities. Known word processing systems. Spreadsheets - nature, purpose. Spreadsheets, basic built-in functions, formulas, the most widely used spreadsheet. Computer networks.

**Teaching and assessment:**

Lectures are held every other week. Exercises are aimed to deepen knowledge of lectures and acquire skills for independent work with certain software. Students must first get acquainted with material on the topic. At the end of the course there is a written exam, which is held in the form of a test.

**SB10052 Clinical Practice I****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: [iserbezova@uni-ruse.bg](mailto:iserbezova@uni-ruse.bg)

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644,

E-mail: [ylukanova@uni-ruse.bg](mailto:ylukanova@uni-ruse.bg)

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793,

E-mail: [tshristova@uni-ruse.bg](mailto:tshristova@uni-ruse.bg)**Weekly classes:** 0l+1s+0lab+6p**Type of exam:** oral and practical**Abstract:**

The training is an organized educational process in which students apply knowledge and skills in real clinical work with pregnant women, birth, mothers, newborns and gynecologically ill women. The purpose of clinical practice is reinforcing knowledge of biological, medical, clinical and humanities and their formation on the cognitive and practical skills and habits of nursing and midwifery care.

**Course content:**

The course includes knowledge about the structure and character of work in the Maternity Ward, the Department of high-risk pregnancy and gynecology. Students are introduced to real clinical setting and patient as a learning tool. Application of hygienic care is included, research and registration of basic vital signs, aseptics and antiseptics.

**Teaching and assessment:**

Conducting business in clinical practice include: organizing a group to work through the allocation of general and individual tasks and carrying out instructions related to specific practical activities for the day, talks to update knowledge and skills needed for the theme of the day clinical practice, introduction to clinical cases demonstrate some manipulations that may be required in the ward during the practice.

**S01329 Medical Nutrition****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Ognyan Sherbanov, MD, PhD, dept. of Public Health, GSM: +359 889 232744,

E-mail: [osherbanov@uni-ruse.bg](mailto:osherbanov@uni-ruse.bg)**Abstract:**

Purpose and objectives of the course: to prepare midwives to be able to build accurate, science-based nutritional diet. Its aim is to contribute to the realization of dietary nutrition in hospitals and therapeutic institutions sanatoriums, rehabilitation centers, and others. Expected outcomes (knowledge, skills, competences): to acquire knowledge of the body's energy balance, the body's metabolism, basic foodstuffs, the principles of a healthy and balanced diet; essence, principles and systems of medical nutrition; to get acquainted with the principles and requirements of the probe and parenteral nutrition.

**Course content:**

The course includes the following topics: importance of nutrition as a therapeutic and prophylactic factor, basic and additional nutrients, diseases caused by malnutrition, overfeeding and incorrect diet, diets to achieve a healthy body weight, basic and special dietary regimes.

**Teaching and assessment:**

Educational forms are lectures and practical exercises. Lectures and practical exercises are conducted in specialized rooms and in real situations. Continuous assessment is conducted during lectures and exercises. Final grade is formed after the exam in two parts – theoretical and practical.

**S02054 Hygiene and Ecology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Margaritka Filipova, PhD, dept. of Thermotechnics, Hydraulics and Ecology, GSM: +359 887308311, E-mail: mfilipova@uni-ruse.bg

Stiliana Marinova, dept. of Health Care, GSM: 0882 252472, E-mail: smarinova@uni-ruse.bg

**Abstract:**

The main objective of the training of Hygiene and Ecology is application of theoretical and practical knowledge on hygiene-related living and labor conditions and human nutrition, respectively adolescent, and the impact of environmental factors on human health and performance.

**Course content:**

The content of the syllabus includes the following modules: Subject and tasks; environmental factors. Hygiene and ecology of air, settlements, housing and medical institutions. Management of hospital waste. Food hygiene. Morbidity and its relation to environmental factors. Work environment factors. Pregnancy and prevention of environmental factors.

**Teaching and assessment:**

The main forms of training are lectures and practical exercises. Lectures are held in the auditorium equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are held in specialized laboratories. Test and participation of students in the classes are formed assessment of the current control. The final grade is based on a written exam.

**SB10056 Human Physiology and Pathological Physiology****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Yulia Pulova, MD, PhD, dept. of Health Care, GSM: +359 882 252 472

**Abstract:**

The purpose of the discipline is students to acquire theoretical and practical knowledge about the biological and physiological mechanisms of the cellular, tissue. The expected results are acquiring knowledge, skills and formation of clinical thinking for proper planning and implementation of Midwifery care.

**Course content:**

The subject includes topics from the following areas: Material essence of life. Compounds that make up the body. Regulations of physiological functions. Cell. Blood and lymph. Physiology of physical activity. Peripheral nervous system. Endocrine system. Urinary system. Reproductive system. Health and disease. Heredity and variability.

**Teaching and assessment:**

The main forms of conducting classes are lectures and practical exercises. Continous assessment is done through tests after studying each section. There is a written exam at the end of the course.

**S00098 Human General Clinical Pathology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Petar Genev, MD, PhD, dept. of Health Care, tel.: +359 885 163 760, E-mail: ggenev@gmail.com

**Abstract:**

Purpose and objectives of the course is the education of midwives to get a system of knowledge and skills about the clinical pathology. Students should become familiar with the morphological changes of the most common nosological units. Diseases, which are related to the external environment, are studied during the course. The basic pathological processes and mechanisms of pathological changes in the bodies of systems for different diseases are studied.

**Course content:**

To acquire knowledge - theoretical and practical for self-application. Midwifery in various pathological processes and complications occurring in the body; professional competence in a team work and individual work of the midwife and responsibility and love the profession.

**Teaching and assessment:**

Classes - lectures and exercises are conducted in specialized surgeries in real conditions. Continuous assessment is conducted during the lectures and exercises. The final grade is formed after an exam.

**SB14358 Obstetrics I****ECTS credits:** 6**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Public Health, tel.+359 02 9200901, [ttimeva@uni-ruse.bg](mailto:ttimeva@uni-ruse.bg)Assoc. Prof. Nadya Magunska, MD, PhD, dept. of Public Health, tel.: .+359 2 920 0901; e-mail: [nmagunska@uni-ruse.bg](mailto:nmagunska@uni-ruse.bg)**Abstract:**

Training in obstetrics aims at developing future midwifery knowledge, skills, habits and competencies in relation to the performance of individual tasks and teamwork. The main object of obstetrics is the care for women during pregnancy, childbirth and the postpartum period, protection and preservation of the normal functioning of the female reproductive system.

**Course content:**

The course includes educational content related to the medical care of pregnant women with a normal pregnancy. The topics, which are discussed, are special anatomical and physiological characteristics of the female and male reproductive system, physiology of normal pregnancy, diagnosis of pregnancy and organization of the processes in antenatal care.

**Teaching and assessment:**

Lectures are conducted in front of a specialized audience for training in obstetrics and gynecology, equipped with a corresponding projection equipment - multimedia computer presentations. Practical exercises are conducted in a specialized classroom of Obstetrics and Gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment in Obstetrics and Gynecology Hospital complex – Ruse and SAGBAL "Dr. Shterev" – Sofia. The final assessment is formed after the semester examination. The written exam consists of two parts – theoretical and practical. The theoretical part covers issues from the lectures and the practical one – questions and tasks of practical exercises.

**S04064 Clinical Laboratory and Biochemistry****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Maria Radanova, PhD, dept. of Health Care, tel.: +359 82 888 421, E-mail: m\_radanova@abv.bg

**Abstract:**

The main goal of training in Clinical Laboratory, Biochemistry and Immunology is to give students basic concepts of biological macromolecules of chemical processes that take place in the body of the interactions between them and the mechanisms that regulate them, as well as knowledge to solve specific tasks related to certain emergency and urgent health conditions.

**Course content:**

The content of the curriculum includes the following modules: biomolecules. Metabolism. Metabolism of carbohydrates. Digestion. Immunity. The flow of genetic information. Express methods in clinical laboratory.

**Teaching and assessment:**

The main forms of conducting classes are lectures and practical exercises. Lectures are held in the auditorium equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are held in specialized laboratories. Checking and evaluation of the educational content from the lectures is done by test. The mark of the continuous assessment is formed on the basis of the test and the participation of students in the classes. The final grade is based on a written exam.

**Weekly classes:** 1,5l+0s+0lab+0,5p**Type of exam:** oral and practical**SB10058 Philosophy and Introduction to Nursing and Midwifery Care II****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The curriculum aims at further clarifying the nature of general and special nursing and midwifery care and their specificity for different women - healthy and sick at a different age, skills and competencies will reveal high professional skills of midwife in future; complementing the scientific status of the theory of health care in the context of the problems of ethics and deontology.

**Course content:**

It deals with topics of nursing and midwifery activities in the general ethical and medical care.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures are placed in a modern equipped room for visual presentations. Practical exercises are held in obstetric halls, rooms and different wards - a virtual laboratory located in the housing university. The used methods are interactive: presentation, lecture, discussion, demonstration, individual work in small groups, case studies, role plays, work in virtual labs, multimedia, interactive boards, panels, models, phantom simulating patient, real and simulated hospital environment, computers, and details of the script readers theater and the role and situational games. The final evaluation is formed after the test - theoretical and practical training, pre-prepared syllabus in 2 parts, including all the studied material.

**Weekly classes:** 1l+1s+0lab+1p**Type of exam:** oral and practical



**SB10076 Special Care for Gynaecological Conditions****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The discipline Special care in gynecological diseases aims at revealing and clarifying the nature of general and special nursing and obstetric care and their specificity in women with gynecological diseases, to continue building skills and competencies that will form the professionalism of future midwife. The subject has cross-curricular links with clinical disciplines: Practical basics of nursing and obstetric care, Philosophy and introduction to nursing and obstetric care, clinical practice.

**Course content:**

Course content includes study of competencies of the midwife in gynecological stationary, working with tools and documentation research; benign diseases of female genitalia; infertility as a problem; gynecological diseases in childhood.

**Teaching and assessment:**

The training takes form of lectures and practical exercises. The lecture is accompanied by presentations. Practical exercises upgrade the lecture content and specify for each of the discussed problems and diseases. Methods, which are used, include explanation, lecture and discussion. They aim at provoking students to take part in the discussed topics. Teaching methods include practical exercises, interactive tools, work in small groups, case studies, performing a demonstration of the studied manipulation and providing appropriate patients. The final assessment is according to the six-point scale. It is formed after the exam – which has a theoretical and practical part.

**S01058 Internal Diseases****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Dobrin Vasilev, MD, PhD, dept. of Health Care, tel.: +359 82 888 421,

E-mail: dobrinv@gmail.com

Assoc. Prof. Ognyan Sherbanov, MD, PhD, dept. of Health Care, tel.: +359 82 502 430,

E-mail: osherbanov@uni-ruse.bg

**Abstract:**

The course aims at providing advanced theoretical knowledge of internal diseases and forms practical skills of midwives related to the construction of diagnosis, treatment and care of patients. Training content is organized into modules that are based on the form of study - the lecture topics are digestive and urinary system, diseases of the locomotor system, diseases of the blood and the haematopoietic system, toxicology and allergic diseases. The exercises are on the lecture topic.

**Course content:**

Training content is organized into modules that are according to the studied material- lecture topics include diseases of the gastrointestinal tract, diseases of the liver and biliary system, diseases of the locomotor system, diseases of the blood and the haematopoietic system, toxicology and allergic diseases.

**Teaching and assessment:**

The main forms of conducting classes are lectures and practical exercises. Lectures are held in a lecture hall equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are held in the ward for internal diseases of the hospital in Ruse. Checking and evaluation of the educational content from the lectures is conducted by a test. The mark of the continuous assessment is formed on the basis of the test and the participation of students in the classes. The final assessment on the subject is formed after the exam which has two parts - theoretical and practical.

**Weekly classes:** 1,5l+1s+0lab+0,5p**Type of exam:** oral and practical

**SB10060 Clinical practice II****ECTS credits:**7**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The training is an organized educational process in which students apply knowledge and skills in real clinical work with pregnant women, birth, mothers, newborns and gynecological patients.

**Course content:**

Understanding the structure and nature of work in the delivery room. Adoption of a pregnant birth. Shaping the documentation for the adoption of birth and placement in the delivery room. Keeping a first birth and newborn care clearance documentation. Breast care and lactation in the normal puerperium.

**Teaching and assessment:**

Clinical practice is conducted in the following databases: Maternity Ward, gynecology, high risk pregnancy ward, ward for newborns. Clinical practice is organized and managed by an assistant, as its primary task is to be familiar with the specifics of operation of the unit to be able to immediately organize, manage, supervise, train, evaluate and be responsible for the working students. The final mark is an exam consisting of two parts - theoretical and practical part.

**SB14365 Special Care for Pregnant Women, Women in Labour and Gynaecological Conditions with Infectious and Venereal Diseases****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644,

E-mail: ylukanova@uni-ruse.bg

**Abstract:**

The course has the objective to show and clarify the character of the special cares of the nurses and midwives and their specific nature for women with infectious and venereal diseases, to widen and deepen the knowledge, skills and competences, on whose basis the professionalism of the future midwife will be formed.

The objectives of the subject derive from its purpose and they are applied in the topics of the course: to underline the scientific status of the obstetric cares of women with infectious and venereal diseases; to show the necessity for general and special cares by midwives and nurses, to give the necessary knowledge for organizing the treatment process.

**Course content:**

Infection by herpes simplex virus. Reason, clinical forms and diagnosis. Behavior and cares of women with herpes infections. Modern concepts and theories about prevention of infections, caused by the papillomavirus. Vaccines, infections and pregnancy. General concepts. Rubella and pregnancy. Behavior and cares. Prevention. Hepatitis and pregnancy. Etiology, clinic, diagnosis. Cares and behavior. Aids. Epidemic aspects. Treatment. Prevention.

**Teaching and assessment:**

Teaching includes lectures. Computer presentations and multimedia are used during the lectures for visualizing the teaching process. Methods of teaching and assessment: modern interactive methods – presentations, discussions, talks, case studies, situational tasks, role plays. The continuous assessment is done through discussions, answering to questions, didactic tests, use of case studies and situational tasks, independent work in small groups, demonstrations of the gained practical skills. There is a requirement for 100% attending the lectures. The final grade is based on a 6 point system.

**SB14360 SB14360 Women's consultation in normal and pathological pregnancy****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Health Care, tel. +359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Health Care, tel.+359 02 9200901,

Sen. Assist. Prof. Kina Velcheva, PhD, dept. of Health Care, GSM: +359 884 327 341, E-mail: kvelcheva@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The aim of the course is to keep the pregnancy and the health of the mother, to prevent complications to ensure a healthy and viable offspring. The applied prenatal care are preventive, diagnostic and therapeutic, as by diagnostics of patients in risk situations, they are directed at elective or emergency hospitalization. The certified midwife should be able to lead a major part of visits of antenatal care consultations and inform the obstetrician when registering deviations in developing pregnancy.

**Course content:**

The course includes several modules divided thematically and consistently: detailed exploration of the organization of work in antenatal care, monitoring the course of a normal pregnancy, frequency of visits and the types of investigations in the monitoring of risk pregnancies, recognition of predisposing factors and the final module is preparing for the upcoming birth.

**Teaching and assessment:**

The lectures are conducted in a specialized lecture hall, equipped with a corresponding projection equipment – multimedia computer presentations or real pre-hospital environment in Obstetrics and Gynecology Hospital complex – Ruse and SAGBAL "Dr. Shterev" – Sofia, where the students directly visit female consultation. The final assessment is formed after the semester examination. The exam is theoretical and covers issues from the lectures in a written form and further oral discussion aimed at ascertaining the level of acquired knowledge.

**SB15303 Obstetric care for sexually transmitted diseases****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Grozeva, MD, PhD, dept. of Health Care, GSM: +359 888594144;

E-mail: dgrozeva@uni-ruse.bg

**Abstract:**

Every student who has passed the course on the medico-social aspect of sexually transmitted infection should be able to assist in making diagnosis and treatment of sexually transmitted infection (as detailed in the curriculum), to assist in setting microbiological and mycological microscopic diagnosis of smear of skin and mucosa, and in placing the microscopic diagnosis.

**Course content:**

The curriculum includes studying of the following problems: structure of the visible mucous membranes - vermilion border and mucous membranes of the genitals. Anatomical, histological and ultrastructural device. Microbial flora in the mucous membranes. Methodological guidelines for offering counseling and testing for HIV. Viral infections. Genital herpes. Kaposi's sarcoma. Pointed warts. Virus infections and others.

**Teaching and assessment:**

The main forms of conducting classes are lectures. The course uses the following methods: lecture, discussion; observation; study of documents; project; appropriately selected tasks from practice, that illustrate and specify the theoretical material, are solved. Computer presentation and other visual materials are used.

**Weekly classes:** 2l+0s+0lab+0p**Type of exam:** written, oral**Weekly classes:** 2l+1s+0lab+0p**Type of exam:** written, oral

**SB14361 Obstetrics II****ECTS credits:** 6**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Public Health, tel.+359 02 9200901, [ttimeva@uni-ruse.bg](mailto:ttimeva@uni-ruse.bg)

Assoc. Prof. Nadya Magunska, MD, PhD, dept. of Public Health, tel.: .+359 2 920 0901; e-mail:

[nmagunska@uni-ruse.bg](mailto:nmagunska@uni-ruse.bg)**Abstract:**

Training in obstetrics aims at developing future midwifery knowledge, skills, habits and competencies in relation to the performance of individual tasks and teamwork. An additional aim of teaching this discipline is the absorption of the material embedded in the program and pursuit of teaching staff to prepare prospective students adequate and qualified to be included in the application of appropriate preventive, therapeutic and organizational care aimed at laboring woman and newborn.

**Course content:**

The program includes lectures and seminars with topics aimed at: physiology of birth, biomechanism birth in different fetal position, methods of pain relief during labor, first care of any newborn and the role and tasks of midwives during the postnatal period in order to promote breastfeeding. A crucial section for the prevention of nosocomial infections is the third module in the program - aseptic and antiseptic .

**Teaching and assessment:**

Lectures are conducted in front of a specialized audience for training in obstetrics and gynecology, equipped with a corresponding projection equipment - multimedia computer presentations. Practical exercises are conducted in a specialized classroom of Obstetrics and Gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment in Obstetrics and Gynecology Hospital complex – Ruse and SAGBAL "Dr. Shterev" – Sofia. The final assessment is formed after the semester examination. The written exam consists of two parts - theoretical and practical. The theoretical part covers issues from the lectures and the practical one - questions and tasks of practical exercises.

**SB10065 Gynecology I****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Public Health, tel.+359 02 9200901, [ttimeva@uni-ruse.bg](mailto:ttimeva@uni-ruse.bg)

Assoc. Prof. Nadya Magunska, MD, PhD, dept. of Public Health, tel.: .+359 2 920 0901; e-mail:

[nmagunska@uni-ruse.bg](mailto:nmagunska@uni-ruse.bg)**Abstract:**

The main objective of training students in this course is to gain basic knowledge and practical skills and competencies that will be useful in the implementation of professional involvement in a number of preventive, diagnostic, therapeutic and organizational and methodical tasks, as well as some urgent conditions in gynecology. The tasks of the discipline derive from the goal and are fulfilled via the topics of the course.

**Course content:**

An important element of the course is detailed examination of the most common functional studies in gynecology. This will help midwife practitioner to be able to prepare for work a number of advanced diagnostic and therapeutic tools and appliances: colposcope, ultrasound, physiotherapy equipment, surgical instrumentarium.

**Teaching and assessment:**

Lectures are conducted in a specialized lecture hall for training in obstetrics and gynecology, equipped with a corresponding projection equipment - multimedia computer presentations. Practical exercises are conducted in a specialized classroom of Obstetrics and Gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment in Obstetrics and Gynecology Hospital complex – Ruse and SAGBAL "Dr. Shterev" – Sofia.

**S04116 Pediatrics****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Svilen Dosev, MD, PhD, dept. of Health Care, GSM: +359 888 885 988, E-mail: sdosev@uni-ruse.bg

**Abstract:**

The discipline of pediatrics aims at providing information on morphological and functional characteristics of the child in its development of postneonatal period until the end of puberty and adolescence, and at following the pathology in each age period with emphasis on pathophysiology and modern therapeutic and preventive methods.

**Course content:**

The program includes educational content related to the medical care of children examined were main nosological units, the problems of modern nutrition, prevention of rickets; hereditary diseases and genetic counseling; some psychosocial problems of childhood; childhood accidents; exogenous poisoning.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures are accompanied by presentations and visual techniques. The main method is explanation, lecture, discussion, stimulating the active participation of students in the topics discussed.

**Weekly classes:** 1,5l+1s+0lab+0,5p**Type of exam:** oral and practical**S01239 Psychiatry****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikolina Angelova, PhD, MD, dept. of Health Care, GSM: +359 888 747 347,

E-mail: nangelova@uni-ruse.bg

**Abstract:**

The aim of the training Psychiatry is to acquaint students in midwifery with the basic concepts of etiology and systematics of mental illness in general and special psychopathology and the most common main types of disorders.

**Course content:**

The program includes educational content related to general and specific psychopathology, addiction behavior, emergency psychiatric care, therapeutic methods in psychiatry and others.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures are held in the auditorium equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are held in psychiatric wards of accredited clinical training facilities for students majoring in Midwifery at the University of Ruse.

**Weekly classes:** 0,5l+0s+0lab+0,5p**Type of exam:** written, oral

**S04101 Microbiology, Parasitology and Virology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Iliana Kostova, PhD, GSM: +359 882 836 776, E-mail: ikostova@uni-ruse.bg

**Abstract:**

The course of Microbiology, Parasitology and Virology is designed for students majoring in Midwifery at the University "Angel Kanchev", Ruse. The main aim of the course Microbiology, Parasitology and Virology is to clarify the nature of microbiology and virology as etiological science that supports diagnosis of infectious diseases and epidemiological situations through various laboratory tests.

**Course content:**

The syllabus includes the following modules: General Microbiology - studying the morphology, structure and generally accepted regularities inherent pathogens.

In the module Infection and Immunity the relationship between macro-organism and pathogens is studied, as well as protective mechanisms, which the macro-organism uses to combat the pathogens. The special module microbiology and virology study various types of pathogens – morphology resistance to various physical, chemical factors, chemotherapeutics, antibiotics, mode of emergence of infectious diseases, pathogenesis, methods of diagnosis, specific therapy and prophylaxis.

**Teaching and assessment:**

The main forms of training are lectures and practical exercises. The lectures are held in a room equipped with computer and multimedia and computer presentations are used to illustrate the lecture topics. Practical exercises complement and illustrate the theoretical material. Practical exercises are conducted in a microbiological laboratory. Current control is conducted in the form of written tests, educational and practical case studies. The final grade is based on a written exam.

**Weekly classes:** 1,5l+1s+0lab+0,5p**Type of exam:** oral and practical**S02049 Surgery****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Pencho Genov, MD, PhD, dept. of Health Care, GSM: +359895606380, E-mail: pgenov@uni-ruse.bg

**Abstract:**

The course in surgery aims at revealing and clarifying the nature of the surgical principles and general surgical technique, as well as their place in obstetric practice. It focuses on the most common surgical diseases in women in different age range discipline laid the foundations of knowledge, skills and competences which will form the professionalism of future midwife.

**Course content:**

The syllabus includes educational content related to the history of surgery – periods; antisepsis and aseptic; preoperative and postoperative period; surgical infection; varicose veins of the lower limbs, trombophlebit, benign and malignant malignancies of the breast; hernias of the anterior abdominal wall; congenital heart defects and others.

**Teaching and assessment:**

Training is conducted in the form of lectures and practicals. Lectures take place in a well equipped room for visual presentations. Practical exercises are conducted in a specialized room - virtual laboratory located at the university. Practical exercises require activity on the part of students and suggest independent work on predefined themes during auditory and extracurricular work. Training equipment includes multimedia, interactive boards, panels, dummies, phantoms simulated, patient simulated and real hospital environment, computers, videos.

**Weekly classes:** 1,5l+1s+0lab+0,5p**Type of exam:** oral and practical

**SB14362 Special Care for Pregnant Women and Women in Labour with Surgical Diseases****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Kina Velcheva, PhD, dept. of Health Care, GSM: +359 884 327 341, E-mail: kvelcheva@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The course in Special care for pregnant women and mothers with surgical diseases aims at revealing and clarifying the nature of general and special nursing and obstetric care and their specificity in women with surgical diseases to continue building the skills and competencies on which professionalism of future midwife will be formed. The course is cross-curricular links with clinical disciplines: Obstetrics, Gynecology, Surgery.

**Course content:**

It includes is the study of desmurgiya, modern pre- and post operative nursing and obstetric care, treatment of wounds, as well as behavior and care of the most common surgical diseases in pregnant mothers. It focuses on the problems of conducting blood transfusion and operating of the midwife with documentation in these cases.

**Teaching and assessment:**

The training takes the form of lectures and practical exercises. The lecture is accompanied by presentation visualisation. Practical exercises upgrade the lecture content and specify for each of the discussed problems and diseases.

**S04115 Special Care for Pregnant Women with Pathological Pregnancy****ECTS credits:** 1**Assessment:** examination**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The study course in Special cares by pregnant women with pathological pregnancy has the objective to show and clarify the gist of the general and special nursing and obstetrics cares and their specificity by bearing women with pathological pregnancy, to continue the building of skills and competences on whose basis the professionalism of the future midwife will be formed. The prerequisites of this subject are the following clinical subjects: Anatomy, Physiology, Clinical Pathology, Obstetrics, Practical basis of the nursing and obstetrics cares.

**Course content:**

The syllabus includes studying of: the most common pathological conditions during pregnancy like abortion, pre-eclampsia, eclampsia, bleeding during the pregnancy, intrauterine death of the fetus. The problems of the behavior of the midwife by these pathological conditions during pregnancy are discussed, as well as her work with the documentation and duties for its forming.

**Teaching and assessment:**

Teaching includes the form of lectures and practical exercises. Computer presentations and multimedia are used during the lectures for visualizing the teaching process. Methods of teaching include: modern interactive methods – discussions; observation; documents research; project. Appropriately chosen cases from practice are also studied for illustrating the theoretical material. The final mark follows the six degree system. It is formed after a passed exam – theoretical and practical part under a previously prepared synopsis covering the whole studied material.

**SB10066 Special Care During Normal and Pathological Delivery I****ECTScredits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The course in Special cares during normal and pathological delivery I has the objective to show and clarify the general and special nursing and obstetrics cares and their specificity by bearing women with pathological pregnancy, to continue the building of skills and competences on whose basis the professionalism of the future midwife will be formed. The prerequisites of this subject are the following clinical subjects: Anatomy, Physiology, Clinical Pathology, Obstetrics, Practical basis of the nursing and obstetrics cares.

**Course content:**

The syllabus includes studying of: the delivery – definitions, duration, indications and diagnosis for the start of the delivery; acceptance of the pregnant woman for delivery; preparation in pre-delivery and delivery room; operation with medical equipment; the tasks of the midwife by conducting the delivery; painkilling devices, as well as her work with the documentation and duties for its forming.

**Teaching and assessment:**

Teaching is conducted in the form of lectures and practical exercises. Computer presentations and multimedia are used during the lectures for visualizing the teaching process. Methods of teaching include: modern interactive methods – discussions; observation; documents research; project. Appropriately chosen cases from practice are also studied for illustrating the theoretical material. The final mark follows the six degree system. It is formed after a passed exam – theoretical and practical part under a previously prepared synopsis covering the whole studied material.

**SB10067 Clinical Practice III****ECTScredits:** 7**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The practice is organized learning process in which students apply their knowledge and skills in real clinical conditions when working with pregnant women, birth mothers, newborns and gynecological patients. The objective of the training is strengthening the knowledge of the clinical and humanities and their combination with theoretical and practical skills and habits in nursing and obstetric care.

**Course content:**

Work in the delivery room. Adoption of pregnant birth. Making documentation acceptance of birth and accommodation in the delivery room. Keeping Birth First newborn care and design documentation. Care of breasts and lactation in normal postpartum period.

**Teaching and assessment:**

Clinical practice is conducted in the following bases Birthing, AG ward with structures: Maternity, Gynaecology, Pathological pregnancy, Prehospital help.



**SB10064 Obstetrics III****ECTScredits:** 5**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Public Health, tel.+359 02 9200901, [ttimeva@uni-ruse.bg](mailto:ttimeva@uni-ruse.bg)Assoc. Prof. Nadya Magunska, MD, PhD, dept. of Public Health, tel.: .+35929200901;[nmagunska@uni-ruse.bg](mailto:nmagunska@uni-ruse.bg)**Abstract:**

Training in obstetrics aims at developing future midwifery knowledge, skills, habits and competencies in relation to the performance of individual tasks and teamwork. An additional aim of the teaching is the absorption of the material embedded in the program and pursuit of teaching staff to prepare prospective students an adequate and qualified to be included in the application of appropriate preventive, therapeutic and organizational care targeting at pathological or ongoing pregnancy outcome in pregnancy concomitant pathology.

**Course content:**

The program includes lectures and seminars with topics aimed at: deviations from the course of pregnancy, pathology of the fetus, amnion and amniotic fluid, infectious, endocrine, cardiovascular and other comorbidities during pregnancy. An important part of the program is the study of issues related to prematurity and adequate obstetric care for preterm infants and prevention of risk factors, obstetric behavior when placenta previa or accreta are diagnosed.

**Teaching and assessment:**

Lectures are conducted in a specialized hall, equipped with a corresponding projection equipment - multimedia computer presentations. Practical exercises are conducted in a specialized classroom of Obstetrics and Gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment in Obstetrics and Gynecology Hospital complex – Ruse and SAGBAL “Dr. Shterev” – Sofia. The final assessment is formed after the semester examination. The written exam consists of two parts – theoretical and practical.

**SB10075 Gynecology II****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Public Health, tel.+359 02 9200901, [ttimeva@uni-ruse.bg](mailto:ttimeva@uni-ruse.bg)Assoc. Prof. Nadya Magunska, MD, PhD, dept. of Public Health, tel.: .+35929200901;[nmagunska@uni-ruse.bg](mailto:nmagunska@uni-ruse.bg)**Abstract:**

The objective of the course Gynecology II is to extend the gained knowledge gained from Gynecology I. It aims at forming and consolidating in the future midwife's knowledge, skills and competences for independent and team work with doctors of obstetrics and gynecology and other specialists by performing their professional engagements in a range of preventive, diagnostic, therapeutic and organizational methodological tasks, as well as by some emergency conditions in the sphere of gynecology.

**Course content:**

The content is related to tasks of Gynecology, gynecological endocrinology, neuro-hormonal regulation of the menstrual cycle; classification of the disorders, dysfunctional uterine bleeding, juvenile and menopausal bleeding, symptomatic dysmenorrhea, amenorrhea, disease of Stein Leventhal, climax, abnormalities in the development, situation and damages of the female reproductive organs, abnormalities in genital development and their role in gynecology and obstetrics, abnormalities in the position of the female reproductive organs, injuries to the female genital organs, general etiology and pathogenesis of genital diseases, symptomatology of common gynecological diseases, diseases of the external genitalia, inflammatory diseases of the vulva, vaginal fluoitrine – etiology.

**Teaching and assessment:**

Lectures are conducted in a specialized hall, equipped with projection equipment - multimedia computer presentations. Practical exercises are conducted in a specialized classroom of Obstetrics and Gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment in Obstetrics and Gynecology Hospital complex – Ruse and SAGBAL “Dr. Shterev” – Sofia. The final assessment is based on a semester examination, consisting of two parts – theoretical and practical.

**S04120 Dermatology and Venerology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Grozeva, MD, PhD, dept. of Health Care, GSM: +359 888 594 144,

E-mail: dgrozeva@uni-ruse.bg

**Abstract:**

Every student passed the course in dermatology and venerology should be able to assist in diagnosis and treatment of diseases of the skin and skin appendages, to assist in setting microbiological and mycological microscopic diagnosis of smear of skin and mucosa, placing the microscopic diagnosis of biopsy material of skin, mucosa and skin appendages, and speaks operating minima skin diseases.

**Course content:**

Theoretical knowledge and practical skills about the structure and function of normal skin, skin appendages and visible mucous membranes, pathological processes in the different layers of the skin, their diagnosis, differential diagnosis and treatment. Future health personnel should be able to assist in establishing the diagnosis and treatment of the chronic dermatoses, bullous dermatoses and and skin tumors.

**Teaching and assessment:**

Lectures are conducted in a specialized auditorium for training, equipped with a corresponding projection equipment – multimedia computer presentations. Practical exercises are conducted in a specialized classroom in the educational practical complex of the professional domain of Health care. A simulated patient and simulated hospital environment and conduct initial topics that allow simulation activities are used.

**S04121 Anaesthesiology, Resuscitation and Intensive Care****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Hristo Bozov, MD, PhD, dept. of Health Care, tel. +359 82 888421, E-mail: hr\_bozov@ yahoo.com

Assoc. Prof. Theodora Nedeva, MD, PhD, dept. of Health Care, GSM: +359 887 468 695,

E-mail: tsherbanova@uni-ruse.bg

**Abstract:**

The main objective of the course in Anesthesiology and Intensive Care is to define and clarify the modern scientific concepts related to analgesia, anesthesia, intensive care and resuscitation events. Training tasks are to develop theoretical knowledge and practical skills of midwives to provide first aid for acute occurring violations of basic life functions, to assist the physician anesthesiologist to perform various manipulations and techniques to monitor basic vital parameters of the patient and work team.

**Course content:**

The curriculum consists of two main modules: 1. Anesthesiology – nature, subject and tasks. Preparing the patient for anesthesia. Monitoring of vital functions. Anesthetic techniques. Appliances, tools and medications for conducting anesthesia and analgesia. Specific features of anesthesia in normal and pathological pregnancy. 2. Intense their treatment nature and development.

**Teaching and assessment:**

Training includes lectures and practical exercises. The lectures are held in auditoriums with application of modern methods: presentations, discussions on case studies, which stimulates students' active participation. Practical exercises are conducted in specialized departments of Anesthesiology, Intensive treatment of surgical and therapeutic diseases and include organizing group work, defining common and individual tasks, discussions of clinical cases.

**SB10059 Pharmacology****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Antonia Kastelova, MD, PhD, dept. of Health Care, GSM: +359 888 768 714;

E-mail: akastelova@sopharma.bg

**Weekly classes:** 2l+1s+0lab+0p**Type of exam:** oral and practical**Abstract:**

The purpose of education in pharmacology is to provide students with advanced theoretical and practical knowledge of medicines needed to complete their professional training and clinical activity. In order to obtain a new degree, the requirements for the preparation of midwives have greatly increased. Furthermore, knowledge of the individual pharmacological groups, they need to know the specifics of the operation, the kinetics and interactions depending on various factors from the medicine, the body of the patient and the external environment.

**Course content:**

The syllabus includes the following topics: Purpose and tasks of pharmacology; Prescription medications and types of recipes; Formulation - definition and types; Input of the drug in the body. Pharmacodynamics. Pharmacokinetics. Special Pharmacology. Antimicrobial drugs.

**Teaching and assessment:**

Students get acquainted with the contents of the discipline theoretical lectures. Seminars illustrate with examples and illustrative diagrams the theoretical lecture. There are current tests and also an admission test for each seminar exercise and oral interviews. For the last workshop exercise, the program envisages a final test. The final control procedure is a written exam with two questions.

**SB10077 Special Care during Normal and Pathological Delivery II****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The course in Special care during normal and pathological delivery II aims to reveal and clarify the nature of general and special nursing and obstetric care and their specificity in birthing women with abnormal birth, to continue building the skills and competencies, which will form the professionalism of the future midwife. The subject has cross-curricular clinical disciplines: Obstetrics, Gynecology, Practical basics of nursing and midwifery care.

**Course content:**

The content includes a study of the disorders of the delivery business; flow of labor in a narrow pelvis; premature birth; bleeding; shock in obstetrics; birth trauma; birth in girls under eighteen years; birth in adults; birth after fertilization in vitro; adoption of pregnant birth; preparation of prenatal and birthing; work with medical equipment; tasks of midwife in keeping birth; documentation and obligations in preparing it.

**Teaching and assessment:**

The training takes the form of lectures and practical exercises. The lecture is accompanied by presentation visual aids. Practical exercises upgrade the lecture content and give details about each of the diseases. The methods, which are used, include explanation, lecture and discussion. They aim at provoking students to take part in the discussed topics. Teaching methods include practical exercises, interactive tools, work in small groups, case studies, performing a demonstration of the studied manipulation and providing appropriate patients. The final assessment is according to the six-point scale. It is formed after the exam – which has a theoretical and practical part, including all the studied material.

**SB14363 Special Care for Women with Normal and Pathological Puerperium****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The course in Special care for women with normal and pathological puerperium aims to reveal and clarify the nature of general and special nursing and obstetric care and their specificity in mothers with normal and pathological puerperium, to continue building the skills and competencies on which professionalism of the future midwife will be formed. The course has cross-curricular links with clinical disciplines: Obstetrics, Gynecology, Practical basics of nursing and midwifery care.

**Course content:**

The content includes a study of the changes in the body of the mother in puerperium; involution of the genitals; lactation; care of mammary glands in the postnatal period; stimulating and stopping of the lactation; nutritional and physical regime of a woman in puerperium; special care in women with pathological puerperium; documentation and obligations in preparing it.

**Teaching and assessment:**

The training takes the form of lectures and practical exercises. The lecture is accompanied by presentation visual aids. Practical exercises upgrade the lecture content and give details about each of the diseases. The methods, which are used, include explanation, lecture and discussion. They aim at provoking students to take part in the discussed topics. Teaching methods include practical exercises, interactive tools, work in small groups, case studies, performing a demonstration of the studied manipulation and providing appropriate patients. The final assessment is according to the six-point scale. It is formed after the exam – which has a theoretical and practical part, including all the studied material.

**S04007 Neurology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nely Petrova, MD, PhD, dept. of Public Health and Social Work, GSM: +359888793906,

E-mail: npetrova27@gmail.com

**Abstract:**

The main objective of training is for students to acquire knowledge for normal function and disease disorders of the nervous system. The course provides theoretical knowledge and practical training to work with the most common diseases of the central and peripheral nervous systems as well as emergency conditions associated with them in a neurological ward and outpatient medical care.

**Course content:**

The content of the curriculum includes the following modules: General neurology - Clinical Neurology - introduction. Approach to patient with a neurological disease. Clinical neuroanatomy – brain, meninges. Blood supply to the brain. Spinal cord. Radiculopathy, degenerative spinal diseases – disc herniation, spinal stenosis. Polyneuritis and polyneuropathy, birth trauma of the central and peripheral nervous system.

**Teaching and assessment:**

The main forms of conducting classes are lectures and practical exercises. Lectures are held in the auditorium equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are held in specialized laboratories. Checking and evaluation of educational content from lectures is done by a test. Test and participation of students in the classes are taken into consideration for forming the continuous assessment. The final grade is based on a written exam.

**Weekly classes:** 0,5l+1s+0lab+0,5p**Type of exam:** written, oral

**S04111 Principles and Methodology of Teaching****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Todorka Stefanova, PhD, dept. of Health Care, GSM: +359 888543249, E-mail: dora@uni-ruse.bg

**Abstract:**

The course aims to give basic didactic and methodological knowledge, skills and competencies. By mastering the character and content of the recent progress in didactics and methodology of training, the future midwives will acquire skills for organizing and conducting the modern educational process.

**Course content:**

Didactic principles – essence, classification, didactic rules and teaching methods; the specifics of the observance of didactic principles in teaching patients and their relatives and practical training of students and graduate students. Examples. Teaching methods – essence, classification of methods by different; choice of a specific classification for training purposes; characteristics of different groups methods and methodological approaches; rules for the implementation of each method.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Teaching methods are consistent with the specifics of training the students. Practical exercises are conducted in groups, the personality of the student is in the center of this process. The main aim of the practical exercises is to help the students make an overall methodical development of a practical lesson.

**SB10079 Clinical Practice IV****ECTScredits:** 7**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793,

E-mail: tshristova@uni-ruse.bg

**Abstract:**

The practice is an organized learning process in which students apply their knowledge and skills in real clinical conditions when working with pregnant women, women in delivery, newborns and gynecological patients. The aim of the training is to reveal the need for nursing and midwifery care for the woman in need and their specificity in various areas of medical obstetrics and gynecological needs and services in the practical training of midwives. It strengthens their medical and biological knowledge and their basic cognitive and practical skills and competencies in nursing and obstetric care.

**Course content:**

Work in the delivery room when conducting ongoing pathological birth; behavior and care for pregnant women with pathology of post-natal period; preparation and participation of the midwife in the most commonly performed O&G operations, as well as specialized work with documentation; behavior and care for pregnant women with high risk pregnancies and diseases, which are not related to pregnancy.

**Teaching and assessment:**

Clinical practice is conducted in the following bases: O&G wards / structure Maternity, Gynaecology, high risk pregnancy, the operating unit and intensive care unit, delivery room, Prehospital help.

**S04124 Infectious Diseases and Epidemiology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Angel Kunchev, MD, PhD, dept. of Health Care,

**Abstract:**

The course is taught in the fifth semester. The course includes lectures of introduction to epidemiology and infectious diseases. Training in infectious diseases and epidemiology of communicable diseases nursing aims at giving the main features of the theoretical epidemiology and application of the epidemiological method - epidemiological teaching of other medical sciences.

**Course content:**

The course includes theoretical and practical modules covering the following areas: epidemiology and infectious diseases – general and special part. The general section studies the relationship between macroorganism and pathogens, as well as the protective mechanisms which the macroorganism uses to combat pathogens by addressing the integrated infectious and epidemic process. The special part studies individual nosological units, clinic of the infectious diseases, pathogenesis, diagnostics, therapy and specific measures of profilaxis.

**Teaching and assessment:**

Training includes lectures and practical exercises. The lectures are held in lecture halls with application of modern methods: presentations, discussions on case studies, which stimulates students' active participation. Practical exercises are conducted in specialized training rooms and include organizing group work, defining common and individual tasks, discussing clinical cases.

**S02053 Medical Genetics****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturer:**

Assoc. Prof. Iliana Kostova, PhD, GSM: +359882836776, E-mail: ikostova@uni-ruse.bg

**Abstract:**

The course of medical genetics is devised for students in Midwifery of the University of Ruse. The lectures present the basic anomalies in human genetics and violations leading to it, getting inherited in different families, spreading innate and inherited diseases in the population and the principles of genetic diagnosis and prevention. The main groups of congenital defects and diseases are considered - chromosome, molecular and those with hereditary predisposition. Very important is the knowledge about the main approaches of the genetic prevention – prenatal diagnosis, genetic screening of pregnant women, and selective and mass screening of newborns for congenital malformations and inherited metabolic diseases, etc.

**Course content:**

General concepts in genetics. Classification and distribution of hereditary diseases. Methods of genetic testing of humans. Chromosomal disorders. Diagnosis of chromosomal diseases - cytogenetic methods. Indications for referral. Monogenic syndromes, inborn errors of metabolism, hemoglobinopathies. Diagnosis of monogenic syndromes – genealogy, biochemical and molecular genetic methods. Multifactorial inherited congenital anomalies and frequent diseases in adults. Diagnostics. Dysmorphology. Teratogenesis. Methods of genetic testing in humans.

**Teaching and assessment:**

Modern audiovisual aids are used during the lectures. Laboratory exercises are conducted in the training laboratories of the university. The final mark is formed on the basis of the successful written exam.

**SB14364 Obstetrics IV****ECTScredits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Public Health, tel.+359 02 9200901, [ttimeva@uni-ruse.bg](mailto:ttimeva@uni-ruse.bg)

Assoc. Prof. Nadya Magunska, MD, PhD, dept. of Public Health, tel.: .+359 2 920 0901; e-mail:

[nmagunska@uni-ruse.bg](mailto:nmagunska@uni-ruse.bg)**Abstract:**

The final phase of training in obstetrics has the aim to systematize the future midwifery knowledge, skills, habits and competencies in relation to the performance of individual tasks and teamwork. The object of this section includes abnormalities during pregnancy, childbirth and the postpartum period, some of which have a serious threat to health and life of the mother and fetus.

**Course content:**

The syllabus includes educational content related to abnormal and atypical position and fetal presentations, labor activity abnormalities, abnormal placental and postplacental period and the role and tasks of the midwife when there is acute loss of blood during childbirth and puerperium.

**Teaching and assessment:**

Lectures are conducted in specialized lecture halls, equipped with a corresponding projection equipment – multimedia computer presentations. Practical exercises are conducted in a specialized classroom of Obstetrics and Gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment in Obstetrics and Gynecology Hospital complex – Ruse SAGBAL "Dr. Shterev " – Sofia. The final assessment is formed after the semester examination. The written exam consists of two parts – theoretical and practical. The theoretical part covers issues from the lectures and the practical one – questions and tasks of practical exercises.

**SB10083 Gynecology III****ECTScredits:** 5**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, dept. of Public Health, tel.+359 02 9200901, [ttimeva@uni-ruse.bg](mailto:ttimeva@uni-ruse.bg)

Assoc. Prof. Nadya Magunska, MD, PhD, dept. of Public Health, tel.: .+359 2 920 0901; e-mail:

[nmagunska@uni-ruse.bg](mailto:nmagunska@uni-ruse.bg)**Abstract:**

The main objective of training students in the discipline is to supplement their knowledge, practical skills and competencies that will be useful in the implementation of professional involvement in a number of preventive, diagnostic, therapeutic and organizational and methodical tasks, as well as some urgent conditions in gynecology. The tasks of the discipline derive from the goal and are completed via the topics of the course.

**Course content:**

The lectures include topics considering in detail the most common pelvic inflammatory diseases, characteristics and variations in childhood, the modern methods of diagnosis and treatment of infertility in the couple, classification of methods of contraception, as well as some important conservative and operational methods in gynecology.

**Teaching and assessment:**

Lectures are conducted in specialized lecture halls, equipped with a corresponding projection equipment – multimedia computer presentations. Practical exercises are conducted in a specialized classroom of Obstetrics and Gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment in Obstetrics and Gynecology Hospital complex – Ruse SAGBAL "Dr. Shterev " – Sofia. The final assessment is formed after the semester examination. The written exam consists of two parts – theoretical and practical. The theoretical part covers issues from the lectures and the practical one – questions and tasks of practical exercises.

**S00104 Medical Imaging in Obstetrics and Gynecology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Elisaveta Valcheva, dept. of Public Health, GSM: +359 888 991 575

**Abstract:**

The course in Medical imaging in obstetrics and gynecology provides acquisition of basic theoretical knowledge and practical skills in the field of imaging by studying the X-ray semiotics of diseases. The training represents the most important X and non-X research methods in medical practice, and knowledge of the nature and properties of ionizing radiation.

**Course content:**

Preparation, properties and nature of the X-rays. Types of X-ray machines. Devices. Modern imaging diagnostic methods – ultrasound, computed tomography, magnetic resonance imaging. Principles of electronics in imaging. Imaging methods of the cardiovascular system. Normal radiation anatomy.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures are held in a lecture hall equipped with visualization tools. The two tests and student participation in workshops form the assessment of the current control. It requires 100% attendance of classes and doing both tests. Absence is not allowed. The final control procedure is a written and oral examination with two questions on the material of the course and syllabus according to the applied questionnaire.

**S02057 Medical Ethics and Deontology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Silvia Alexandrova-Yankulovska, MD, DCs, MU – Pleven, tel. +359 64 884 196,

E-mail: silviya\_alexandrova@mu-pleven.bg

**Abstract:**

The course has the aims to acquaint future midwives with basic concepts and problems of medical ethics and deontology, to help students develop ethical sensitivity and moral reasoning in the course of their future work and to prepare them for making decisions in accordance with legal norms.

**Course content:**

Educational content is divided into the following sections: General theory of ethics – nature, methods, theories, principles, confidentiality, patterns of relationships, patients' rights and informed consent; Deontological matters of medical practice – regularity of medical acts, forced treatment, obligation to provide medical care, illegal practicing of a medical activity, documentaries crimes in medical practice, negligent medical professional offenses, unfavourably occurring cases in medical practice and others.

**Teaching and assessment:**

Study sessions are conducted in the form of lectures and seminars. The following methods are used: presentations, discussions, debate, case studies. The methodological structure includes presentation of the main theoretical topics, open discussion and feedback from the students. Continuous assessment is conducted in the form of tests. The final evaluation is based on a written and oral exam.

**Weekly classes:** 1,5l+0s+0lab+0,5p**Type of exam:** written and oral



**S04073 Ophthalmology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Krasimir Koev, MD, PhD, dept. of Public Health, GSM: +359 896 291 020

Dr Magdalena Mladenova, dept. of Public Health, tel. +359 82 888 421

**Abstract:**

The objectives of the course are that midwives should acquire a system of knowledge and skills about ophthalmology as a prerequisite for application of special obstetric care when working in eye surgery, eye care unit and outpatient care. Topics of practical exercises upgrade and illustrate lectures and contribute to building practical skills and competencies. Expected outcomes - to acquire theoretical knowledge and practical skills for midwifery care for newborns in ophthalmic diseases; for the role, place and participation in the preparation and carrying out of laboratory and other tests; to develop skills for proper treatment of chemical and thermal burns, removal of foreign bodies in the eye and application of all bandages to the eye.

**Course content:**

Anatomy and physiology of the visual system. Diseases of the lacrimal apparatus, eyelids, conjunctiva, cornea and uvea, concepts and nature of glaucoma and cataract. Traumatic diseases, etc.

**Teaching and assessment:**

Forms of training are lectures and practicals. Classes – lectures and exercises are conducted in specialized rooms and in real situations. Current control is conducted during lectures and exercises. The final grade is formed after the exam.

**SB14366 Special Care for Pregnant and Women in Labour in Anaesthesiology and Intensive Therapy****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793,

E-mail: tshristova@uni-ruse.bg

**Abstract:**

The syllabus of the subject Special care for pregnant mothers in anesthesiology and intensive therapy aims to reveal and clarify the nature of the special nursing and obstetric care and their specificity in pregnant mothers in anesthesiology and intensive therapy, continue upgrading of skills and competencies that will form the professionalism of future midwife.

**Course content:**

Preparing the patient for anesthesia. Preparation of the patient in terms of the overall picture. Preparation of the patient in relation to the underlying disease. Mental preparation. Premedication resuscitation events in Shock in obstetrics. Definition of shock. Types of shock. Causes and diagnosis.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. The following methods with interactive focus are used: presentation, lecture, discussion, demonstration, individual work in small groups, case studies, readers theater, situational tasks, role-playing games, virtual laboratories. The lesson is held in the form of a talk with frontal asked questions, didactic tests, case studies, individual work in small groups, demonstration of acquired practical skills and habits.

**SB10086 Clinical Practice V****ECTS credits:** 10**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The practice is an organized learning process in which students apply their knowledge and skills in real clinical conditions when working with pregnant women, women in labour, newborns and gynecological ill women. The purpose of clinical practice V is consolidating knowledge from biological, medical, clinical and humanities and on their basis is the formation of cognitive and practical skills and habits in nursing and obstetric care. The tasks of discipline arising from the target and aimed at building initial vocational skills in oncogynecology and home medical care for children and to upgrade the skills of the midwife to work in the delivery room, maternity ward, gynecology and department high-risk pregnancy, surgery block and intensive care.

**Course content:**

Keeping labor in large and giant fetus. Conduct for presentation and sliding off the umbilical cord and small children's areas. Generic trauma of mother and newborn. Prevention of birth injuries. Placental pathology and early postpartum period. Bleeding Disorders – behavior and tasks of midwife. Behavior and care for pregnant women with mastitis. Helping the mother to overcome difficulties with breastfeeding. Caring for mothers after blood loss and shock. Special care for pregnant women with diabetes, congenital and acquired heart disease, kidney stones. Care in gynecological patients with bronchitis and pneumonia. Postoperative care for women with vaginal and abdominal operations. Caring for cancer patients after surgery, radiotherapy and chemotherapy. Conducting chemotherapy – tasks of the midwife. Psychological and deontological aspects of care for oncology patients. Getting to know the specifics of organization of work in the orphanage. Care for children with diseases of the respiratory system. Care for children with gastrointestinal diseases.

**Teaching and assessment:**

Clinical practice is conducted in the following bases: Delivery room, AG ward structure Maternity, Gynaecology, Pathological pregnancy Operational block and intensive care, home for medical care of children. Clinical practice is organized and run by an assistant, whose primary task is to be familiar with the specifics of work in the unit, to be able immediately to organize, manage, supervise, train, evaluate and be responsible for the students. The final mark is based on an exam consisting of two parts – theory and practice.

**SB14359 Special Care for Pregnant Women, Women in Labour and Gynaecological Conditions with Somatic Diseases****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:** The discipline in special care for pregnant mothers and gynecological patients with somatic diseases aims at revealing and clarifying the nature of general and special nursing and midwifery care and their specificity in women with somatic diseases, to continue building the skills and competencies on, which will form the future professional midwife. The course is cross-curricular links with all clinical disciplines.

**Course content:** It includes the study of behavior and care for diseases of the urinary tract, diabetes, blood diseases in the cardiovascular system, respiratory system and special care for pregnant mothers and patients with gynecological nadnormino weight. The course deals with issues of conduct for midwife in anaphylactic shock, first aid in the clinical work of death and midwife records in these cases.

**Teaching and assessment:**

Training is in the form of lectures and practical exercises. The lecture is accompanied by presentation visual aids. Practical exercises upgrade the lecture content and give details about each of the diseases. The methods, which are used, include explanation, lecture and discussion. They aim at provoking students to take part in the discussed topics. Teaching methods include practical exercises, interactive tools, work in small groups, case studies, performing a demonstration of the studied manipulation and providing appropriate patients. The final assessment is according to the six-point scale. It is formed after the exam – which has a theoretical and practical part, including all the studied material.

**SB10088 Special Care for Children in Neonatology and Pediatrics****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM 359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644,

E-mail: ylukanova@uni-ruse.bg

**Abstract:**

The course in Special care for children in neonatology and pediatrics has the aims to reveal and clarify the nature of the special nursing obstetric care and their specifics in neonatology and pediatrics, to continue upgrading of skills and competencies on which the professionalism of future midwife will be formed.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises using the following methods with interactive focus: presentation, lecture, discussion, demonstration, individual work in small groups, case studies, situational tasks, role play, virtual laboratory. Training media include: multimedia, interactive boards, panels, dummies, models, phantoms simulated patient simulated and real hospital environment, computers.

**Weekly classes:** 2l+0s+0lab+2p**Type of exam:** oral and practical**S04080 Physical Therapy and Rehabilitation****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Kiril Panayotov, MD, PhD, dept. of Health Care, GSM: +359 888 309621, E-mail: zkm@abv.bg

**Abstract:**

The main goal of training in physical therapy and rehabilitation of students in health care – midwives is to gain basic knowledge of the biological, physiological and therapeutic effects of natural and preformed physical factors and their application for the needs of physiopreventive therapy, physiotherapy and medical rehabilitation in common and socially significant diseases.

**Course content:**

Physiotherapy. Types of physical factors, basic principles and mechanisms of action of the reformed physical factors on the human organism. Rehabilitation - essence, sections, principles, rehabilitation contingents, rehabilitation potential, building a rehabilitation program. Basics of electrotherapy. Types of electrical currents used in physiotherapy. Perceptible patient feelings under the electrodes. Methods - local, segmental, reflector, general, longitudinal, transverse. Galvanization. Mechanisms of action of galvanic current on the human organism. Electrophoresis / iontophoresis /, advantages and disadvantages of the method, EF substances. Combined use of EF with other treatment methods. Cryoelectrophoresis. Medium Frequency Currents. Sinusoidal modulated currents / of Jasno-Grodski / - physiological effects, indications and contraindications. Medium Frequency Currents – Interference currents. Phenomenon interference. Mechanism of action. Physiological effects, indications and contraindications. Low frequency currents with adjustable parameters. Principles of action, physiological effects, indications and contraindications; High Frequency Currents / Currents of d'Arsonal, diathermy /. Physiological effects. Ultra High Frequency Currents. Ultra-high-current currents. Physiological effects. Indications and contraindications. Magnetotherapy. Physiological effects.

**Teaching and assessment:**

The training takes place in the form of lectures and practical exercises. The lectures are held in an audience equipped with visualization tools. Practical exercises are conducted in accredited clinical facilities for the training of students of Midwifery.

**Weekly classes:** 0,5l+0s+0lab+0,5p**Type of exam:** written, oral

**SB10089 Social and Health Legislation****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Public Law

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Lachezar Dachev, PhD, dept. of Public Law, GSM: +359 888 440 729, E-mail: ldachev@abv.bg

**Abstract:**

The course is read to the students in mifwifery at the Faculty of Public Health and Health Care of the University of Ruse. The course provides students with knowledge about legislative regulation of the professional activities of the nurse, about the types of responsibilities of professionals in the medical practice, the structure of the health system and specific legislation regulating the activities of individual units of the health service and related rights obligations of health professionals, as well as knowledge of basic human rights and patients' rights.

**Course content:**

During the lectures, students get acquainted with the following regulations: Labour Code, Criminal Code, Law on Health, Law on Health Insurance, Law on Medical Institutions and Decree № 18 criteria, indicators and methodology for accreditation of medical institutions, Act of the professional organization of nurses, midwives and associated medical specialists, Decree № 1 of the professional activities that nurses, midwives, associated medical specialists and healthcare assistants may perform under appointment or on their own, and others. Decree № 34 for acquiring specialty in the healthcare system. Seminar exercises aim to consolidate, enrich and deepen their knowledge of lectures and to acquire practical skills and competences in solving various problem situations in the field of social and health legislation. This is achieved through open discussions and the solving of practical cases.

**Teaching and assessment:**

Lectures are held one hour per week. Seminars are also held weekly and illustrate the lecture topics in time and content.

**S04081 Otorhinolaryngology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care,

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Dilyana Vicheva, MD, PhD, dept. of Health Care, GSM: +359 888 223 675,

E-mail: dilyana@bulgarianrhinologicsociety.org

**Abstract:**

Purpose and objectives of the course are to provide midwives with a system of knowledge and skills about the ear-nasal-throat diseases, as a prerequisite for application of special obstetric care when working with pregnant women in primary care, antenatal care and obstetrics and gynecology department. Topics of practical exercises build and illustrate lectures and contribute to building practical skills and competencies.

**Course content:**

The course includes the following topics: Anatomy and Physiology of the hearing analyzer. Traumatic injuries to outer ear and eardrum. Professional hearing damage from noise, vibration. Emergency in otorhinolaryngology. Inflammatory and non-inflammatory diseases in otorhinolaryngology. Cancer of the larynx and pharynx.

**Teaching and assessment:**

Forms for conducting classes are lectures and practical exercises. They are conducted in specialized auditoriums and in real conditions. Current control is conducted during lectures and exercises. Final grade is formed after the exam.

**S04084 Medical Provision in Disasters****ECTS credits:** 2**Assessment:** exam**Departments involved:**Department of Public Health and Social Work  
Faculty of of Public Health and Health Care**Lecturers:**Prof. Dr. Daniel Bratanov, PhD, dept. of Public Health and Social Work, GSM: +359 888 226 988,  
E-mail: dmbratanov@uni-ruse.bg**Abstract:**

The course in medical provision in disasters studies issues related to the specific problems of mass medicine in cases of natural and technogenic disasters, accidents and catastrophes in clinical, therapeutic and organizational aspects. The aim of the study is to create knowledge and skills for the students' professional behavior towards their responsibilities in cases of disasters. The education prepares health specialists to execute tasks related to measures of medical provision to victims of disasters. The role of the medical specialists during disaster response is of a great importance.

**Course content:**

The aim of the training is to give knowledge and skills for professional attitude of students towards their obligations in case of occurrence of any of the above events. The training prepares health professionals to perform tasks related to events for the medical assistance to the injured people as a result of the biological effects of radiation and major chemical accidents, acts of terrorism and wartime environment.

**Teaching and assessment:**

Lectures are conducted in a traditional way with visualization through multimedia audio-visual equipment. Educational films, incentive programs and specialized equipment nomenclature for civil-shield are used. During the exercises various material and technical equipment, multimedia audio-visual system models, case studies, visual aids – personal protective equipment, tables, maps, radiation sensors, gas analyzers, tests and more are used.

**SB 15675 Obstetric and Nursing Care for Women with Oncology Conditions****ECTS credits:** 2**Form check:** exam**Departments involved:**Department of Health Care  
Faculty of Public Health and Health Care**Lecturers:**Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg  
Sen. Assist. Prof. Kina Velcheva, PhD, dept. of Health Care, GSM: +359 884 327 341,  
E-mail: kvelcheva@uni-ruse.bg  
Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793,  
E-mail: tshristova@uni-ruse.bg**Abstract:**

The course in obstetric and nursing care for women with oncology conditions aims to reveal and clarify the nature of the special nursing and obstetric care and their specificity in women suffering from cancer, continue upgrading of skills and competencies on which the professionalism of the future midwife will be formed.

**Course content:**

Dispensary of oncology sick women. Methods of study in cancer patients. Role of the midwife. Cancer cyto diagnosis Obstetric palliative care in cancer women, precancerous and cancerous diseases of the breast gland – obstetric care research.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. The following methods with interactive focus are applied: presentation, lecture, discussion, demonstration, individual work in small groups, case studies, readers theater, situational tasks, role play, virtual laboratory.

**SB10090 Clinical Practice VI****ECTS credits:** 12**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793,

E-mail: tshristova@uni-ruse.bg

**Abstract:**

The practice is an organized learning process in which students apply their knowledge and skills in real clinical conditions when working with pregnant women, women in labour, newborns and gynecologically ill women. The purpose of Clinical practice VI is consolidating knowledge from biological, medical, clinical and humanities and on their basis the formation of cognitive and practical skills and habits in nursing and obstetric care.

**Course content:**

Combating acute loss of blood and placental and postplacental period. Fighting shock in placental and postplacental period; The duty of the midwife in intrauterine fetal death - diagnosis and clinical examinations. Methods diagnosed with cervical irregular and abnormal fetal praevia. Diagnosis of endangered fetus – direct and indirect methods, participation of midwife. Generic traumas of the newborn – midwife's behavior. Behavior and care for mothers with episiotomy, perineotomiya and complex rupture. Maternal behavior with generic trauma. Maternal behavior with manual extraction of the placenta and revision of the uterine cavity. Behavior and care of mothers with vaginal uterine tamponade. Bleeding in the second half of pregnancy – behavior and tasks of the midwife. High-risk pregnancy – reasons. Diagnosis of endangered fetus – direct and indirect methods.

**Teaching and assessment:**

Clinical practice is conducted in the following bases: Delivery room, O & G compartment (structure Maternity, Gynaecology, high risk pregnancy), Neonatology, Intensive care unit for newborns, Gynecology. Clinical practice is organized and run by an assistant. His primary task is to be familiar with the specifics of the work of the unit in order to be able immediately to organize, manage, supervise, train, evaluate and be responsible for the students. The final mark is formed after an exam consisting of two parts – theory and practice.

**S04044 Neonatology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Svilen Dosev, MD, PhD, dept. of Health Care, GSM: +359 88 888 59 88,

E-mail: ngamakova@uni-ruse.bg

**Abstract:**

The discipline of neonatology aims at providing knowledge about the specifics of newborns to learn the protocols team, risk about newborns, focusing on early diagnosis and risk to be carried out, directing the child to a specialized neonatal unit.

**Course content:**

The program includes educational content related to adaptation syndromes in a healthy newborn child; first care for a newborn child; primary resuscitation at risky newborns; risky newborns; feeding the newborn; perinatal asphyxia newborn. assessment of the state in the delivery room; premature infants; Newborns with low weight; Respiratory diseases; haematological disorders in the neonatal period; Infectious pathology of neonatal period; Intensive treatment in newborns; Nosocomial infections.

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures are accompanied by presentations and visual techniques. The main method is explanation, lecture, discussion, stimulating the active participation of students in the topics, which are discussed.

**Weekly classes:** 1,5l+1s+0lab+0,5p**Type of exam:** oral and practical

**S02052 Social Medicine and Health Promotion****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikola Sabev, MD, DSc, dept. of Health Care, GSM: +359 887 356 342,

E-mail: nsabev@uni-ruse.bg

Assoc. Prof. Kiril Panayotov, MD, PhD, dept. of Health Care, GSM: +359 888 309621, E-mail: zkm@abv.bg

**Abstract:**

The main goal of training in Social Medicine and Health Promotion is to acquaint students with basics of public health and health promotion, as one element of the new Public Health. The program provides general concepts of health care system. The second focus in training is health promotion as principles, models, approaches. Particular attention is paid to health education and the formation of a healthy lifestyle.

**Course content:**

This syllabus contains the following components: Introduction to social medicine, methods of study and evaluation of public health, organization and operation of the health service, health promotion concept of healthy lifestyle elements of a healthy lifestyle, health promotion through encouraging a healthy lifestyle.

**Teaching and assessment:**

Forms of education: lectures and seminars. Lectures and seminars are held in the auditorium equipped with visualization tools. Teaching methods: modern interactive methodical presentation, discussion, demonstration, and case studies. The methodology of the exercise is consistent with the didactic purpose of the exercise

**SB15254 Affective Disorders****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikolina Angelova, PhD, MD, dept. of Health Care, GSM: +359 888 747 347,

E-mail: nangelova@uni-ruse.bg

**Abstract:**

The purpose of learning affective disorders is to familiarize students – future midwives with mental disorders that arise in women during different periods of their life cycle; with the main theoretical concepts of etiology of various psychiatric disorders in the female reproductive cycle and the contemporary classification and clinical manifestations of various psychiatric disorders in the female reproductive cycle.

**Course content:**

The course includes content related to the main and most common symptoms and syndromes of mental illness in women during their lifecycle, as well as specific psychiatric disorders in women with oncological problems.

**Teaching and assessment:**

The training takes place in the form of lectures. The lectures are held in an audience equipped with visualization tools. Learning methods: contemporary interactive methods – presentation, discussion, lectures and case studies and situational problems. The solving of case studies and situational problems develops in students habits for independent work, stimulates their professional growth and their creative activity.

**S02051 Nursing and Midwifery Care in Outpatient Care****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Nikola Sabev, MD, DSc, dept. of Health Care, GSM: +359 887 356 342,

E-mail: nsabev@uni-ruse.bg

**Weekly classes:** 2l+1s+0lab+0p**Type of exam:** written, oral**Abstract:**

The course in Nursing and midwifery care in primary care aims at revealing the general concept of primary care in the training of midwives. Students should obtain the necessary scientific information on issues of primary care; form knowledge, skills and competencies for future midwives positive approach whose priority is working in outpatient sectors and advisory sectors; expand the role of the midwife that goes beyond the traditional functions of caring for a sick person, including psychological and social dimensions of health promotion.

**Course content:**

Organization and job characteristics of the midwife in Diagnostic - consultative center (DCC) and GP (doctor). Duties and responsibilities of the midwife in handling medical records used in the DCC and GP practice. Duties and responsibilities of the midwife at work in a GP office. Duties and responsibilities of the midwife at work in the specialized offices of DCC and others.

**Teaching and assessment:**

The training takes the form of lectures. The lecture is accompanied by presentation visual tools. Methods, which are used, include explanation, discussion and debate, making a plan for nursing and midwifery care in primary care. Development of a project on a topic of the course of training and presentations. The participation of the students in the discussed topics is provoked. The final result is a six-point scale. It is formed after the exam – a theoretical syllabus prepared in advance, including all the studied material.

**SB10094 Pre-graduation Internship****ECTS кредити:** 30**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The clinical internship is an organized learning process in which students apply their knowledge and skills in real clinical conditions when working with pregnant women, women in labour, newborns and gynecologically ill women. During the pre-graduation internship acquired knowledge, skills and competences are reinforced in accordance with Regulation 1 / 08.02.201 related to professional activities that nurses, midwives, associated medical specialists and healthcare assistants may perform on assignment or independently.

**Course content:**

Students work in a real environment duplicating the schedule for a midwife – clinical mentor. They keep a diary of the trainee. It reflects the activities, the number of interventions that must be conducted (identified in the state requirements), evaluation of the clinical and academic mentor.

**Teaching and assessment:**

The training in each unit is completed by assessing the knowledge and practical skills corresponding to the specific syllabus. The final procedure is exam and it consists of two parts – theoretical and practical.



**SB10095 Pre-graduation internship****ECTS credits:** 20**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The clinical internship is an organized learning process in which students apply their knowledge and skills in real clinical conditions when working with pregnant women, women in labor, newborns and gynecological ill women. During pre-graduation internship acquired knowledge, skills and competences are reinforced in accordance with Regulation 1 / 08.02.2011g. related to the professional activities that nurses, midwives, associated medical specialists and healthcare assistants may perform on assignment or independently.

**Course content:**

Students work in a real environment duplicating the schedule for a midwife – clinical mentor. They keep a diary of the trainee. It reflects the activities, the number of interventions that must be conducted (identified in the state requirements), evaluation of the clinical and academic mentor. Mentors of practical bases are determined by criteria in line with Decree 18/ 20.06.2005 of criteria, indicators and methodology for accreditation of medical institutions in part for training. The academic mentor is a professor at the Department of Health care.

**Teaching and assessment:**

The training in each unit is completed by assessing the knowledge and practical skills corresponding to the specific syllabus. The final procedure is an exam and consists of two parts – theoretical and practical. The theoretical exam assesses the application of knowledge and the practical exam aims to check the degree of skill development. The clinical and academic mentor participate in the examination committee.

**S04138 State Exam: Philosophy of Obstetric Care. Theoretical and Practical Foundations of General and Special Obstetric Care****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

Sen. Assist. Prof. Kina Velcheva, PhD, dept. of Health Care, GSM: +359 884 327 341, E-mail: kvelcheva@uni-ruse.bg

Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: ylukanova@uni-ruse.bg

Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: tshristova@uni-ruse.bg

**Abstract:**

The state exam is in two parts – theoretical and practical part, on a syllabus that is discussed and adopted at a meeting of the Department of Health Care. During the exam graduating midwives have the opportunity to put their knowledge in writing and to demonstrate real-life practical skills and professional competencies required for entry level midwifery practitioner.

**Course content:**

All the graduates work independently and develop in written form the theoretical questions followed by an interview with the examination board to evaluate the sufficiency of the theoretical knowledge in order to be admitted to the graduate practical exam. During the practical exam students work individually with the patient, demonstrate practical skills and competencies on an individual assignment.

**Teaching and assessment:**

The state exam is held in front of the State Examination Committee appointed by Rector's order, the composition of which shall be not less than three professors and associate professors.

**S04139 State Exam: Neonatology and Pediatrics – Obstetric Activities and Care****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

All teachers with a specialty in Neonatology and Pediatrics

**Abstract:**

The state exam is conducted on a syllabus that is discussed and adopted at a meeting of the Department of Health Care. During the exam graduating midwives have to provide evidence of theoretical knowledge, practical skills and professional competencies required for entry level midwifery practitioner.

**Course content:**

All the graduates work independently and develop in written form the theoretical questions followed by an interview with the examination board to evaluate the sufficiency of the theoretical knowledge.

**Teaching and assessment:**

The state exam is held in front of the State Examination Committee, appointed by Rector's order, the composition of which shall be not less than three professors and associate professors.

**Weekly classes:** 0l+0s+0lab+0p**Type of exam:** oral**S04140 State Exam: Obstetrics and Gynecology – Obstetric Activities and Care****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

All teachers with a specialty in Obstetrics and Gynecology

**Abstract:**

The state exam is conducted on a syllabus that is discussed and adopted at a meeting of the Department of Health Care. During the exam graduating midwives have to provide evidence of theoretical knowledge, practical skills and professional competencies in Obstetrics and Gynecology, required for entry level midwifery practitioner.

**Course content:**

All the graduates work independently and develop in written form the theoretical questions followed by an interview with the examination board to evaluate the sufficiency of the theoretical knowledge, practical skills and competencies of Obstetrics and Gynecology.

**Teaching and assessment:**

The state exam is held in front of the State Examination Committee, appointed by Rector's order, the composition of which shall be not less than three professors and associate professors. The final grade is based on the displayed theoretical knowledge and practical skills and competencies formed.

**Weekly classes:** 0l+0s+0lab+0p**Type of exam:** oral and practical**S04141 State Exam: Social Medicine with Health Promotion and Social and Health Legislation****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

All teachers with a specialty in Social Medicine and Social and Health Legislation

**Abstract:**

The state exam is conducted on a syllabus that is discussed and adopted at a meeting of the Department of Health Care. During the exam graduating midwives have to provide evidence of theoretical knowledge.

All the graduates work independently and develop in written form the theoretical questions followed by an interview with the examination board to evaluate the sufficiency of the theoretical knowledge.

**Teaching and assessment:**

The state exam is held in front of the State Examination Committee, appointed by Rector's order, the composition of which shall be not less than three professors and associate professors.

**Weekly classes:** 0l+0s+0lab+0p**Type of exam:** oral

**UNIVERSITY OF RUSE**  
**FACULTY**  
**OF PUBLIC HEALTH AND HEALTH CARE**

**Erasmus ECTS**  
**Information Package**

# **UNDERGRADUATE CURRICULUM IN NURSING**

**PROFESSIONAL STANDARDS OF A BACHELOR IN NURSING**

Degree:	<b>Bachelor</b>
Professional Qualification:	<b>Nurse</b>
Duration:	<b>4 years (8 semesters)</b>

**The degree course in nursing is a regulated profession from the professional field of Health Care.**

A nurse acquires higher education after successful completion of an accredited higher education institution on the territory of the Republic of Bulgaria or the EU. Training in Bulgaria corresponds to the Ordinance on Unified State Requirements / Decree 248 / 22.11.2005, Decree № 257 / 01.11.2010, Decree № 86 / 15.04.2016, Decree № 1 / 08.02.2011, Directive 2005 / 36 / EC and Directive 2013/55 / EC of the European Union and for the other EU Member States it complies with local legislation.

The practical training is carried out in hospitals that have received a positive accreditation assessment for education of students under Art. 90, para. 1 item 2 of the Law for the medical establishments. The diploma gives the right to practice the profession of a nurse.

**The educational goal** of the specialty is to prepare highly qualified specialists, competent to carry out promotive, preventive, medical activity and health education. Nursing is centered on helping people, family and community in achieving or maintaining optimal health and life. The main focus of nursing is the holistic care, including health promotion, maintenance, treatment and recovery, support and terminal care for individuals from different age groups.

The final outcomes of the training consist of acquiring competencies in the following areas:

- **General skills** – communication skills, language and computer skills, ability to effectively assess functional capacity based on clinical thinking, use of information technology, capability for continuous professional development and teamwork.
- **Knowledge of basic science** – biological, humanitarian and clinical disciplines.
- **Specific skills and competencies** in the field of general nursing care and their specificity in different age groups and medical specialties.
  - Skills and competencies to solve somatic, psychological and social problems of the person or the group.
  - Forming a proper clinical and practical experience and skills in working with other medical professionals.
  - Competence for determining necessary healthcare by oneself, using current theoretical and clinical knowledge, as well as capacity for planning, organizing and providing health care for the treatment of patients in order to improve professional practice.
  - Competence to encourage individuals, families and groups of people to lead a healthy lifestyle and take care of themselves.
  - Competence to take immediate life-saving measures and to take measures in case of crisis and disaster.
  - Competence to provide advice, guidance and support to people in need of health care and to their relatives.
  - Competence for independent quality assurance and assessment of health care.
  - Competence to analyze the quality of health care in order to improve personal professional practice.
  - Competence for professional activities that the nurse can carry out on her/his own, including provision and collection of health information, health promotion and disease prevention.
  - Competences to carry out medical and health care activities, resocialization, readaptation and rehabilitation. Ability to perform manipulations - intradermal, subcutaneous, intramuscular, intravenous injections, intravenous infusions and other treatments and activities regulated as individual and by medical prescription in the **Ordinance № 1 of 08.02.2011 on professional activities** that nurses, midwives, associated medical specialists and healthcare assistants can carry out as a prescription or on their own.

- **Knowledge of specific conditions** – healthcare system, ethical, moral and legal norms, the role of other professionals of the multidisciplinary team. The profession of the nurse requires dynamism, security and the ability to work in terms of emotional and intellectual stress.

The curriculum was developed in compliance with the Unified State Requirements for Acquiring Higher Education in Nursing with "Bachelor" degree, the Bologna Declaration and the ECTS system for accumulation and transfer of credits in higher education. Training is done through obligatory, elective and optional courses.

**Obligatory courses are grouped in the following modules:**

- *Basic humanities* – develop communication skills to communicate with patients and their relatives, analysis and use of specialized information. They provide knowledge about professional ethics and deontology and the necessity to respect the principles of confidentiality; acquisition of knowledge in medical psychology and medical pedagogy, informatics, principles and methodology of training.
- *Basic medical-biological disciplines* – they provide a theoretical basis for building specialized training. The module includes courses in anatomy, biochemistry, physiology, hygiene, disaster management, Latin with medical terminology.
- *Clinical disciplines* – they provide knowledge about the basic pathological processes and disease conditions in the field of internal diseases, pediatric, neurological and mental diseases, surgical diseases, otorhinolaryngological and ophthalmic disorders, infectious diseases, obstetrics and gynecology.
- *Special disciplines* – integrate the knowledge about structural and functional abnormalities in the overall therapeutic approach and in particular the specialized use of nursing care in various diseases. This cycle includes the philosophy and introduction to nursing care, and a module of practical basics of nursing care, including nursing care for patients with surgical, somatic, oncological, neurological, psychiatric, ophthalmic and otorhinolaryngological diseases. Nursing care in pediatrics, for children and adults with disabilities. Nursing care in oncology, palliative care. Nursing care in intensive care unit and intensive therapy, nursing homes, social medicine, medical ethics and health legislation, pharmacology.

**Elective and optional courses** provide an opportunity to acquire specific knowledge and skills depending on the interests of students.

**The practical training is conducted through:**

- *Clinical Practice - 1140 hours (from I to VI semester).*
- *Pre-graduation internship - 2 x 800 astronomic hours (20 weeks) in the VII<sup>th</sup> and VIII<sup>th</sup> semester.*

Training for acquiring higher education in nursing at a bachelor degree ends with state exams in the following disciplines:

1. Philosophy of nursing care. Theoretical and practical foundations of general and special nursing care.
2. Internal diseases and pharmacology – nursing and care activities.
3. Surgery and anesthesiology, resuscitation and intensive care – nursing care and activities.
4. Social medicine with health promotion and social and health legislation.

**Professional development:**

The acquired amount of theoretical knowledge and practical skills and competencies of the nurse allows her/him to work in different sectors and network of establishments and institutions in the health care system such as:

- outpatient care establishments;
- specialized or multiprofile hospitals: active treatment hospitals, hospitals for rehabilitation and long-term care, rehabilitation hospitals and hospitals for rehabilitation, long-term treatment and rehabilitation;
- Emergency Medical Centers;
- mental health centers;
- Centers for skin-venereal diseases;
- complex oncology centers;
- tissue banks;

- medical, medical-dental and diagnostic-consultation centers;
- Homes for medical and social care and hospices;
- structures for health and social services in the community and in institutions;
- dialysis centers;
- transfusion hematology centers;
- nurseries and gardens;
- Cabinets in schools and other educational establishments;
- Occupational medicine services;
- public health services;
- health insurance funds and organizations;
- research centers and medical research institutions;
- medical higher education institutions and faculties of public health and health care at other universities in the country;
- state, departmental institutions.

The harmonization of nursing training with Directive 2005/36/EC of the European Parliament and of the Council of Europe from 7 September 2005 on the recognition of professional qualifications is a prerequisite for future compatibility of diplomas.

The diploma also gives the possibility of continuing education of the nurse in order to acquire majors according to Ordinance № 1 of January 22, 2015 on acquiring specialty in the healthcare system, issued by the Minister of Health, prom. SG no.7 on January 27, 2015, the Master's degree in Health Care Management, acquisition of educational degree "Master" in Public Health and Health Management and the specialty Clinical Social Work, receiving other training in other universities in Bulgaria; acquiring educational and scientific degree "Doctor" in Management of Health Care.

**CURRICULUM**  
of the degree course in NURSING

**First year**

<b>Code</b>	<b>First term</b>	<b>ECTS</b>	<b>Code</b>	<b>Second term</b>	<b>ECTS</b>
SB10026	Human anatomy	2	S02798	Human physiology and pathological physiology	3
SB15147	Hygiene and ecology	2	S04063	Neurology and psychiatry	2
S02813	Child psychology and child pedagogics	2	S03536	Clinical laboratory, biochemistry and immunology	1
SB10027	Philosophy and introduction to nursing care I	8	S02804	Philosophy and introduction to nursing care II	4
S04107	Social and health legislation	2	S02806	Nursing care for patients with neurological disorders	3
S02761	Latin with medical terminology	2	S02808	Internal diseases I	3
S02757	Information technologies	4	S02760	Surgery I	3
S02762	Clinical Practice I	8	S04061	Clinical Practice II	8
<b>Elective courses</b> <i>(students choose one course)</i>			<b>Elective courses</b> <i>(students choose one course)</i>		
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
S00021	Sports	1	S00021	Sports	1

**Second year**

<b>Code</b>	<b>Third term</b>	<b>ECTS</b>	<b>Code</b>	<b>Fourth term</b>	<b>ECTS</b>
S02811	Medical imaging in nursing care	1	S04108	Pharmacology	3
S02867	Internal diseases II	3	S04097	Geriatrics	1
SB10034	Pediatrics with neonatology	3	S02759	Medical genetics	1
S04070	Surgery II	2	S03536	Human clinical pathology	1
S02928	Nursing care for patients with somatic diseases II	3	SB04369	Nursing care for geriatric patients	4
S02722	Medical equipment in nursing practice	1	S04066	Nursing care for patients with surgical diseases I	2
S03012	Nursing care in pediatrics	3	S04076	Nursing care for patients with infectious diseases	3
S03058	Nursing care at home	4	SB14370	Nursing care for children and adults with disabilities	4
S00019	Clinical Practice III	8	S04095	Principles and methods of teaching	3
<b>Elective courses</b> <i>(students choose one course)</i>			S04068	Clinical Practice IV	8
SB15260	Communications in nursing practice	2			
SB15261	Nursing care in dental medicine	2			
SB13769	Nursing care in aesthetic dermatology and medical practice	2			
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
S00021	Sports	1	S00021	Sports	1

**Third year**

<b>Code</b>	<b>Fifth term</b>	<b>ECTS</b>	<b>Code</b>	<b>Sixth term</b>	<b>ECTS</b>
-------------	-------------------	-------------	-------------	-------------------	-------------



S04003	Dermatology and venerology	1	S04080	Physical rehabilitation medicine	1
S04062	Obstetrics and gynecology	2	S04081	Otorhinolaryngology	1
S02723	Microbiology, parasitology and virology	2	S04082	Social medicine	2
S02812	Medical nutrition	1	S04084	Medical provision in disasters	2
SB14371	Anaesthesiology, resuscitation and intensive care	4	S04085	Nursing care in otorhinolaryngology	2
S04083	Health promotion	2	S04071	Medical Psychology	2
S04072	Infectious diseases and epidemiology	2	S04086	Nursing care for patients oncology conditions	2
S04073	Ophthalmology	1	S04087	Palliative nursing care	2
S04096	Nursing care in reanimation and intensive therapy	3	S04079	Nursing care for mentally ill patients	2
S04075	Nursing care for patients with surgical diseases II	3	S04083	Nursing care for women in labour and newborns	2
S04077	Medical ethics and deontology	2	S04093	Nursing care for women in labour and newborns	2
S04078	Clinical Practice V	8	S04088	Clinical practice VI	10
			<b>Elective courses (students choose one course)</b>		
			SB13600	Nursing care in anesthesiology	2
			SB14372	Nursing activities and care in invasive cardiology	2
			SB14367	Pediatric otorhinolaryngology	2
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
S00072	Sports	1	S00072	Sports	1

## Fourth year

Code	Seventh term	ECTS	Code	Eighth term	ECTS
SB10043	Pre-graduation internship	25	SB10044	Pre-graduation internship	25
			<b>Graduation</b>		
			SB10045	State examinations: Philosophy of nursing. Theoretical and practical foundations of general and special nursing care	3
			SB10046	Internal diseases and pharmacology – nursing activities and care	3
			SB10047	Surgery and anesthesiology, resuscitation and intensive care – nursing activities and care	2
			SB10048	Social medicine with health promotion and social and health legislation	2
<b>Total for the term:</b>		<b>25</b>	<b>Total for the term:</b>		<b>35</b>

**Total for the course of study: 240 ECTS credits**

**SB10026 Human Anatomy****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care,  
Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Dimitar Stavrev, Dept. of Public Health and Social Work, GSM: +359 895 718 773,  
E-mail: dgstavrev@abv.bg

Dr. Dragana Yovanovska, Dept. of Health Care, GSM:+359 0899 765 803

**Abstract:**

The training aims at providing students with basic knowledge about the structure of the human body. Teaching is in a functional aspect and with clinical orientation. To gain an overall picture of the anatomical structure, the program includes all sections of modern anatomy.

**Course content:**

Osteology: shape, growth and development of the bones. Skull bones, spine, pelvis, upper and lower limb. Bones connections. Miology: types of muscles and head's biomechanics, neck, back, abdomen, upper and lower limb.

**Teaching and assessment:**

The lecture topics allow the students to learn with the help of visual and theoretical illustration of a multimedia presentation, posters, biopsy sample and anatomical models. Practical exercises include an entry exam on the subject of an exercise. They are conducted with computer programs, bipsies samples and models, poster boards. Three tests are conducted during the semester, evaluated on a point system. The maximum number of points a student can have from attending courses and tests is 180. To complete the semester a number of at least 150 points is required. The final grade is based on an exam with a written part of no less than 50%.

**S04082 Hygiene and Ecology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care  
Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Margaritka Filipova, PhD, Dept. of Thermotechnics, Hydraulics and Ecology,  
GSM: +359 887308311, E-mail: mfilipova@uni-ruse.bg

Stiliana Marinova, Dept. of Health Care, GSM: 0882 252472, E-mail: smarinova@uni-ruse.bg

**Abstract:**

The main objective of the training of Hygiene and Ecology is application of theoretical and practical knowledge on hygiene-related living and labor conditions and human nutrition, respectively adolescent, and the impact of environmental factors on human health and performance.

**Course content:**

The content of the course includes the following modules: Subject and tasks; environmental factors. Hygiene and ecology of air, settlements, housing and medical institutions. Management of hospital waste. Food hygiene. Morbidity and its relation to environmental factors. Work environment factors.

**Teaching and assessment:**

The main forms of training are lectures and practical exercises. Lectures are held in the auditorium equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are held in specialized laboratories. There is continuous assessment during the semester via tests and participation of students in the classes. The final grade is based on a written exam.

**S02813 Child Psychology and Child Pedagogics****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Pedagogics, Psychology and History

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Asya Veleva, Dept. of Pedagogics, Psychology and History, E-mail: aveleva@uni-ruse.bg

**Abstract:**

The lectures course has the purpose to get students acquainted with special features of development of child's psychics and changes that happen in child's growing from 0 to 7 years. Students' attention is directed to the development of different sides of child's personality and to conditions in which it happens. Special features of early and pre-school childhood are explained, as well as means of complete child development. Special attention is paid to methods for evaluating of psychic development in early childhood. Topics for special features of pedagogic interaction between children at this age are offered. This will help for building skills and competencies for children relationship.

**Course Content:**

The subject has a work load 15 hours lectures and 15 hours seminar exercises. The course includes 15 lecture and 7 seminar topics. Education of students allows basic training to be done during the lecture course.

**Teaching and assessment:**

Lectures are led frontally with the entire group. Video-materials and active methods of training are used during the lectures and exercises and also – making and filling up tests, active plays, discussions. Combining of individual and group ways of work allows studding the provided material. During the seminary classes students exercise to apply different diagnostic methods for early and preschool age. The final mark is from 1 to 6.

**SB10027 Philosophy and Introduction to Nursing Care I****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100,

E-mail: dpgeorgieva@uni-ruse.bg

**Abstract:**

The curriculum aims to reveal the nature of general and special nurse care and their specificity in different age groups as well as for patients with different health status in context of prevention and treatment. The expected results are acquiring knowledge, skills and the formation of clinical thinking for proper planning and implementation of the nursing skills.

**Course content:**

The curriculum includes topics from the following areas: philosophy and social importance of the nursing profession. History of nursing, evolution and development in Bulgaria. Mission and function of the modern nurse. Models of nursing theories. Medical records. Aseptic and antiseptic. Acceptance, transfer and discharge of the patient. Rounds. Hygiene care. Somatic indicators. Healing and rational nutrition.

**Teaching and assessment:**

The main form of teaching are lectures and practical exercises. Practical classes are conducted in specialized cabinets/labs for healthcare, and in real situations in the relevant educational and practical facilities. Assessment is carried out at lectures and exercises. The final grade consists of exam in two parts – theoretical and practical.

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written, practical

**S04107 Social and Health Legislation****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Public Law

Faculty of Public Health and Health Care

**Lecturers:**

Chief Assistant Maria Radeva, Ph.D. E-mail: mfilipova@uni-ruse.bg

**Abstract:** the course provides students with the knowledge about legislative regulation of the professional activities of the nurse about the types of responsibility of the professionals in the medical practice, the structure of the health system in Bulgaria and the specific legislation regulating the activities of individual units of the health service and related rights and duties of health professionals, as well as knowledge of basic human rights and patients' rights.

**Course content:**

During lectures, students get acquainted with the following regulations: Labour Code, Criminal Code, Health Law, Health Insurance Law, Medical Institutions Law and decree №18, indicators and methodology for accreditation of medical institutions, Professional Organization Of Nurses , Midwives And Medical Specialists Act, decree № 1 of the professional activities that nurses, midwives and associated medical specialists and healthcare assistants may perform by assignment or by themselves, decree №34 for acquiring a specialty in the healthcare system. The seminars are intended for students to consolidate, enrich and expand their knowledge from the lectures and to gain practical skills and competence in solving different problematic solutions in the field of social and health legislation. This is achieved through open discussions and case studies.

**Teaching and assessment:** Lectures are held once a week, the duration of each lecture is 1 hour. Seminars are also held weekly, illustrating the lecture topics. The final grade is formed as a result between the grade of the continuous assessment and the exam grade.

**Weekly classes:** 1lec+1sem+0labs+1ps**Type of exam:** written**S02761 Latin with Medical Terminology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikolina Angelova, PhD, MD, Dept. of Health Care, GSM: +359 888 747 347,

E-mail: nangelova@uni-ruse.bg

Assist. Prof. Maya Stoyanova, tel. +359 82 845 281, E-mail: mstoyanova@uni-ruse.bg

**Abstract:**

The objective of teaching Latin is to introduce students in Nursing to the essential knowledge, which is most necessary for the correct usage of medical and scientific terminology. Learning Latin facilitates students in mastering the medical subjects as far as correct understanding of the meaning of words used as special terms is concerned. Latin grammar is introduced concisely in the context of selected Latin texts, phrases and sentences put in order of methodological sequence. Relying on the acquired minimum of grammar and lexicology knowledge at the end of the course, students should be able to read and translate longer Latin texts by means of a dictionary, master their medical scientific vocabulary and improve their language culture by learning Latin phrases and sentences.

**Course content:**

The Alphabet. Pronunciation. Parts of speech. Verb – conjugation. Noun. Adjective. Pronoun. Numerals. Declension. Word-formation. Medicines and abbreviations.

**Teaching and assessment:**

Teaching methods are specified in compliance with the Nursing syllabus. Lessons are carried out in small groups of students enabling personal performance of each one. Practicing Latin grammar introduced through text examples containing original Latin medical terminology, learning famous phrases and sentences and taking written and oral examination, students gain the knowledge essential to use medical and scientific terminology precisely and correctly.

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written, oral

**S02757 Information Technologies****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Informatics and Information Technologies

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Desislava Atanasova, MEng, PhD, Dept. of Informatics and Information Technologies, tel. +359 888 326, E-mail: datanasova@ami.uni-ruse.bg

**Abstract:**

The course is conducted to students enrolled in the specialty in nursing. The purpose of the lectures is to familiarize students with the computer as a technical device as well as with the software products facilitating the daily work of the specialists in a variety of areas. The purpose of the practice sessions is to provide students with knowledge and skills for working with up-to-date software products applied in word processing, electronic spread-sheets and graphical systems. Students acquire knowledge and skills for operating with approved program systems for document processing, as adopted in the Regional Health Insurance Fund.

**Course content:**

Brief historical notes on computers' development. Characteristics of computer generations. Computer classification. Hardware and software. Operation systems – functions and problems. Operation systems with friendly graphic interface. Application word processing programs – essence, possibilities. Well-known word processing programs. Electronic tables. Local and global computer networks. Internet. Computer processing of medical and economical information. Databases. Statistical data processing.

**Teaching and assessment:**

Lectures are held 2 classes per fortnight. Practice sessions are carried out on what has been taught during the lectures, so that students get familiar with relevant software applications. Students need to self-study the software products before the practice classes. The final grade is formed from the current assessment mark and the exam result.

**S02762 Clinical Practice I****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg  
Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: ddraganova@uni-ruse.bg  
Assoc. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg  
Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg  
Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

**Abstract:**

The aim of clinical practice I is consolidation and application of knowledge, skills and competencies in real clinical conditions. Clinical practice is an organized learning process in which students work with patients with surgical, somatic and childhood diseases. The expected results are: knowledge about the organization of work, mode specific features and nature of work in therapeutic, surgical and children's section; formation of initial practical skills of nurses working in therapeutic, surgical and children's section; providing a basis for competence on professional activities that the nurse can carry out alone.

**Course content:**

Philosophy and introduction to nursing. Social significance of nursing. History of nursing, emergence and development in Bulgaria. Mission and function of modern nurse. Models of nursing theories. Medical records. Aseptic and antiseptic. Acceptance, transfer and discharge of the patient, rounds; hygiene care. Medical and rational nutrition.

**Teaching and assessment:**

Clinical practice I is conducted in real conditions in the practical bases Hospital Ruse AD: Internal ward (7 weeks) Surgical Ward (5 weeks), Children's Section (3 weeks). Continuous assessment is carried out in two forms: continuous assessment of the preparation for each thematic session and an exam at the end of clinical practice in the division. The final grade is based on the scores received for each clinical setting.

**S02798 Human Physiology and Pathological Physiology****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Yulia Palova, MD, PhD, Dept. of Health Care, GSM: +359 882 252 472

**Abstract :**

The aim of this course is to provide students with theoretical and practical knowledge about the biological and physiological mechanism at cellular, tissue and organism levels. The expected outcome is the acquisition of knowledge and skills, as well as cultivating clinical thinking for accurate planning and application of nursing care

**Course content**

The syllabus includes topics from the following fields: Material nature of life. Chemical compounds, building the organism. Biocatalysts. Regulations of physiological functions. The cell. Blood and lymph. Physiology of motor activity. Central Nervous System. Higher Nervous Activity. Peripheral Nervous system. Cardiovascular system. Respiratory system. Digestive system. Endocrine system. Excretory system. Reproductive system. Health and ailments. Heredity and volatility.

**Teaching and assessment:**

The main method of teaching is lectures and practical seminars. Continuous assessment is conducted through tests after each section of study is completed. The final procedure is a written exam.

**S04063 Neurology and Psychiatry****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nely Petrova, MD, PhD, Dept. of Public Health and Social Work, GSM: +359888793906,

E-mail: npetrova27@gmail.com

Assoc. Prof. Nikolina Angelova, PhD, MD, Dept. of Health Care, GSM: +359 888 747 347,

E-mail: nangelova@uni-ruse.bg

**Abstract:**

The main purpose of the course is for students to assimilate the main functions of the nervous system, as well as it's disorders. This study schedule provides the theoretical knowledge as well as the practical skills, to face the most common disorders of the central and peripheral nervous systems, as well as the emergency cases in relation to the neurological ward and outpatient care.

**Course content:**

The content is summed up with these modules: Standard neurological studies. Clinical neurology – introduction. Approach to patients with neurological diseases. Clinical neuroanatomy: Brain. Cerebrospinal fluid. Blood circulation of the brain. Spine. Peripheral nervous system. Psychiatry – psychological pathology. Schizophrenia. Emergency cases in psychiatric care.

**Teaching and assessment:**

The main ways to conduct study sessions is lectures and practical exercises. The lectures are held in an auditorium, equipped with tools for visualization. The practical exercises takes place after the relevant subject lecture in specialised laboratories of the University Hospital in and the University of Ruse. In order to check the levels of knowledge and understanding of the material the students undergo a test, based on the lectures. The test and the practice participation form the score of the student. The last grade is based on after the students complete a written practice and further testing.

**S02804 Clinical Laboratory, Biochemistry and Immunology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Maria Radanova, PhD, Dept. of Health Care, tel.: +359 82 888 421, E-mail: m\_radanova@abv.bg

**Abstract:**

The Basic purpose of education in Clinical Laboratory, Biochemistry and Immunology is giving students basic concepts for biological macromolecules, for chemical processes, happening in organism, for interaction between them and mechanisms, regulating them, as well as knowledge for solving of definite problems, connected with emergency and urgent condition in healthcare.

**Course content:**

Curriculum contains of following modules: bio-molecules. Metabolism. Carbohydrate metabolism. Digestion. Immunity. Genetic information flow. Express methods in clinical laboratory.

Nurse behavior to patient in shock, Nurse behavior in emergency conditions in outpatient practice, Intensive nurse care to patients with cardiovascular diseases, Intensive nurse care to patients with endocrine diseases, Intensive nurse care to patients with urinal tract diseases, Intensive nurse care to patients with diseases of digestive system.

**Teaching and assessment:**

Main forms for classes are lectures and practical exercises.

Lectures are given in a specialized auditory, equipped with visualizing devices. Practical exercises are led immediately after the relevant lecture in specialized laboratories of RU and Hospital of Ruse. For evaluation a test is given. The mark of the continuous assessment is formed by the test and participation of students in practical exercises. The final mark is formed after a written exam.

**S02805 Philosophy and Introduction to Nursing Care II****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021,

E-mail: ddraganova@uni-ruse.bg

Assoc. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

**Abstract:**

The course aims to reveal the nature of general and specific nursing care, as well as their specific features for different age groups and for individuals with different health status in the context of prevention, prophylaxis and treatment. The expected outcome is the acquisition of knowledge and skills, as well as cultivating clinical thinking for accurate planning and application of nursing care.

**Course content:**

The syllabus includes topics from the following fields: Health education. Prophylaxis of socially significant diseases. Nurse's diagnosis. Planning of nursing care. Care and feeding of infants and toddlers. Physiotherapy. Medicines-application. Types of injections. Infusion solutions. Chemo transfusion. Punctures. Obtaining, storing and sending materials for testing.

**Teaching and assessment:**

The course is taught through lectures and practical exercises, which are held in specialized rooms for health care, as well as in real conditions at the respective education and practice facilities – hospitals, diagnostic consultancy centers, medical centers, etc. Continuous assessment is carried out during both lectures and seminars. The final grade is formed after a two-part exam – theory and practice.

**S04095 Nursing Care for Patients with Neurological Disorders****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

**Abstract:**

The main purpose of the course is to introduce the students to the general and special nursing care and its specificity in neurology and the medical needs of neurological patients in the training of the nurse.

**Course content:**

Clinical research in neurology. Neuroimaging methods in neurology. Preparation of the patient. Special nursing care in patients with cerebrovascular disease. Special nursing care in patients with ischemic, hemorrhagic stroke and subarachnoid hemorrhage.

**Teaching and assessment:**

The main ways to conduct study sessions is lectures and practical exercises. The methods used are lectures and discussions; observation; documents study. The means of training are: multimedia, interactive boards, panels, moulages, models, simulating patient, simulated and real hospital environment, computers. There is continuous assessment which is conducted in the form of discourse, didactic tests and case solving, case studies and individual work in small groups. To complete the semester a 100% attendance of lectures and practical exercises is required as well as active participation in discussions, in solving and performing the educational tasks. The final evaluation is based on a theoretical and practical exam.

**S02808 Nursing Care for Patients with Somatic Diseases I****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100,

E-mail: dpgeorgieva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421,

E-mail: ihristova@uni-ruse.bg

**Abstract:**

The aim of this course is for students to acquire theoretical knowledge and practical skills related to the main symptoms of somatic illnesses, the preparation and conducting of diagnostics, the basic nursing technique for the therapeutic and diagnostic process, as well as identifying emergency states and providing adequate nurse's reaction. The expected outcome would be acquisition of knowledge and skills and formation of clinical thinking for accurate planning and implementation of nursing care.

**Course content:**

The syllabus includes topics from the following fields: Preparation and conducting of basic medical tests of patients with health problems in the respiratory, cardiovascular and endocrine systems. General and specific nursing care.

**Teaching and assessment:**

The course is taught through lectures and practical seminars, which are held in specialized rooms for health care, as well as in real conditions at the respective education and practice facilities – hospitals, diagnostic consultancy centers, medical centers, etc. Continuous assessment is carried out during both lectures and seminars. The final grade is formed after a two-part exam – theory and practice.

**Weekly classes:** 1lec+1sem+0labs+2ps**Type of exam:** written, practical**Weekly classes:** 1lec+0sem+0labs+2ps**Type of exam:** written, practical



**S02760 Internal Diseases I****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Dobrin Vasilev, MD, PhD, Dept. of Health Care, tel.: +359 82 888 421,

E-mail: dobrinv@gmail.com

Assoc. Prof. Ognyan Sherbanov, MD, PhD, Dept. of Health Care, tel.: +359 82 502 430,

E-mail: osherbanov@uni-ruse.bg

**Weekly classes:** 2,5lec+0sem+0labs+0,5ps**Type of exam:** written**Abstract:**

The aim of this course is for students to acquire theoretical knowledge and practical skills related to the main symptoms of internal diseases, the preparation and conduction of diagnostic work, the basic nursing technique for implementing treatment and diagnosis process, as well as recognizing emergency cases and providing adequate reaction. The expected outcome would be acquisition of knowledge and skills and formation of clinical thinking for accurate planning and implementation of nursing care

**Course content:**

The syllabus is organized into modules looking into diseases of the cardiovascular, respiratory and endocrine systems, as well as diseases related to metabolism and endocrine glands. The practical seminars build on the lecture topic in the module with methods for testing the diseases under study and demonstrating those in the therapeutic ward.

**Teaching and assessment:**

The course is taught through lectures and practical seminars. The lectures are held in halls with audio-visual aids while the practical seminars are held after the lecture at the Internal Diseases ward in the hospital in Ruse. Checks and grading are carried out through a test. Continuous assessment is a result of the test grade and student participation in the practical seminars. The final grade is formed after a two-part exam – theory and practice.

**S04061 Surgery I****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof Pencho Genov, MD, PhD, dept. of Health Care, GSM: +359895606380, E-mail: genov\_p@abv.bg

**Abstract:**

The purpose and objectives of the course are for nurses to acquire a system of knowledge and skills about the surgery as a clinical discipline, pre-operative and post-operative care, major diseases and behaviours in surgery and traumatology. Expected results are to acquire theoretical and practical knowledge for independent application:

- nurse's responsibilities in surgical diseases;
- role, place and participation in the preparation and conduction of laboratory and other tests;
- developing skills in proper handling of aseptic and septic wound, applying all kind of bandages.

**Course content:**

The following topics are included: Organization of surgical activity. Pre-and postoperative care. Asepsis and antisepsis. Types of surgical instruments. Bleeding, traumatic and thermal injuries, types of inflammation.

**Teaching and assessment:**

Classes are conducted in the form of lectures and practical exercises. Lectures and practical exercises are held in specialized laboratories and in real conditions. Current control is carried out at lectures and practical exercises. The final grade is based on an exam.

**S02809 Clinical Practice II****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: ddraganova@uni-ruse.bg

Assoc. Prof. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

**Abstract:**

The aim of the Clinical Practice II is the consolidation and application of knowledge, skills and competencies in real clinical conditions. Students work with patients with surgical and somatic diseases. The syllabus of the course aims to reveal the nature of general and special nursing care and their specificity in different age groups as well as individuals with different health status in the context of prevention of disease prevention and treatment. The expected results are: knowledge about the organization of work, mode specific features and nature of work in therapeutic and surgical; formation of initial practical skills of nurses working in therapeutic and surgical ward; providing a basis for competence on professional activities that the nurse can perform independently and to medical appointments.

**Course content:**

Philosophy and introduction to nursing II: Physiotherapy means. Prescription of medicines. Enteral and parenteral administration of drugs in children and adults. Collection, storage and transport of materials for laboratory tests. Intradermal injection. Tuberculin samples. Subcutaneous injection. Administration of insulin and heparin. Skin diagnostic samples. Nursing process. Intramuscular injection in children and adults. Intravenous injection. Dissolving and dosing of antibiotics. Special characteristics in infancy and childhood. Intravenous infusion. Preparation for transfusion. Blood collection for clinical laboratory tests and hemoculture. Collection and transportation of materials for microbiological tests.

**Teaching and assessment:**

Clinical Practice II is conducted in real conditions in practical bases of the University Hospital in Ruse – Internal ward (8 weeks), Surgical ward (7weeks). Continuous assessment is carried out in two forms: continuous assessment of the preparation for each thematic session and an exam at the end of clinical practice in the division. The final grade is based on the scores received for each clinical setting.

**S02811 Medical Imaging in Nursing Care****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Elisaveta Valcheva, MD, PhD, Dept. of Health Care, GSM: +359 888 991 575

**Abstract:**

The purpose of the course is achieving basic theoretical knowledge and practical skills in the field of imaging studies by studying Roentgen diagnostics of diseases. The education reveals most important roentgen and non-roentgen studies in medical practice, as well as knowledge for characteristics and features of ionizing radiation.

**Course Content:**

Imaging studies of respiratory system. Imaging studies of cardiovascular system. Imaging studies of gastrointestinal system. Imaging studies of urinary system. Imaging studies of diseases of muscle-skeletal system. Imaging studies of central and peripheral nerve system.

**Teaching and assessment:**

Forms for classes: lectures and practical exercises. Lectures and practical exercises are carried out in auditorium, provided with visualizing devices. Practical exercises are led immediately after the relevant lecture and are carried out in the Imaging Studies Unit. Current control is done by two tests – first, checking the knowledge from lectures, and second one – skills, formed during exercises. The test consists of educational – practical task, connecting with imaging diagnostic of a concrete illness. The mark from the continuous assessment is formed by the test and students' participation in practical exercises. 100% lectures and exercises visit and solving of two tests are wanted. Absence is not permitted. The final control procedure is written and oral exam with two questions from lectures according to an applied synopsis

**S02867 Internal Diseases II****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Dobrin Vasilev, MD, PhD, Dept. of Health Care, tel.: +359 82 888 421,

E-mail: dobrinv@gmail.com

Assoc. Prof. Ognyan Sherbanov, MD, PhD, Dept. of Health Care, tel.: +359 82 502 430,

E-mail: osherbanov@uni-ruse.bg

**Abstract:**

The purpose of the discipline is giving modern theoretical knowledge for internal diseases and forming practical skills in nurses, connected with diagnose building, treatment and cares for patient. Curriculum content is organized in modules, according to the form of its studding – lectures go over diseases of digestive and urinary systems, diseases of muscle-skeletal apparatus, blood diseases, toxicology and allergic diseases. Exercises are built over lecture topic. Expected results are achieved knowledge for etiology and clinical picture of internal diseases, formed skills for independent work an under doctor's supervision, forming of professional competencies to prevent, support, recover and improve persons' health, considering individual features, identifying health needs, physical risks for health, putting a nurse diagnose and medical health cares.

**Course content:**

Course content is organized in modules, according to the form of its study – lectures go over diseases of gastro-intestinal tract, diseases of liver and bile duct, diseases of muscle-skeletal apparatus, blood diseases, toxicology and allergic diseases. Exercises are built over lecture topic in a module by methods for studding of diseases and demonstration in therapeutic unit.

**Teaching and assessment:**

The main forms for classes are lectures and practical exercises.

Lectures are delivered in a specialized auditory, equipped with visualizing devices. Practical exercises are led immediately after the relevant lecture in Internal Diseases Unit of Hospital of Ruse. For evaluation a test is given. Current control mark is formed by the test and participation of students in practical exercises. The final mark is formed after an exam in 2 parts – theoretical and practical.

**SB10034 Pediatric with Neonatology****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Svilen Dosev, MD, PhD, Dept. of Health Care, tel. +359 888 885 988,

E-mail: sdosev@uni-ruse.bg

**Abstract:**

The purpose of the discipline "Pediatrics with Neonatology" is giving information for morphologic and functional features of child and its development from intrauterine and neonate period to the end of puberty and adolescence, as well as following up the pathology in any age period with accent on pathophysiological mechanisms and modern therapeutic and prophylactic methods. Students to receive knowledge for specific features of different organs and systems, to point their attention to early, sub clinical symptoms of main nosologic categories with purpose of preventing from heavy complications and consequences.

**Course content:**

Curricula involves theoretical and practical modules, involving: Introduction in Pediatrics. Child as a Patient. Periods of Childhood. Physical and Neuro-psychical development. Nutrition of Child. Main Principles of Therapy and Prophylaxis in child's age. Diseases in child's age in different systems.

**Teaching and assessment:**

The main forms for classes are lectures and practical exercises. Classes – lectures and practical exercises, are carried out in specialized rooms and real clinical conditions. There is continuous assessment during the lecturers and exercises. The final mark of the discipline is formed after an exam.

**Weekly classes:** 2,5lec+0sem+0labs+0,5ps**Type of exam:** written**Weekly classes:** 2lec+0sem+0labs+1ps**Type of exam:** written

**S04070 Surgery II****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof Pencho Genov, MD, PhD, dept. of Health Care, GSM: +359895606380, E-mail: genov\_p@abv.bg

**Abstract:**

**Purpose and objectives of the course:** The course purpose is for nurses to acquire a system of knowledge and skills about surgery as clinical discipline, traumas and diseases in the thorax and the adjoining organs. Care for the main diseases and behaviours in surgery – ulcer, hernia, appendicitis, peritonitis, ileus. Students acquire practical knowledge in recognizing the main symptoms of hemorrhage in the gastrointestinal tract, benign and malignant diseases of the large intestine and the liver. Urology topics are also included. Workshops' topics expand the level and illustrate the lectures, contributing for establishing practical knowledge and competencies.

**Course content:**

Classes are conducted under the form of lectures and practical exercises. The following topics are included: trauma conditions of the thorax and the adjacent organs. Trauma and injury in the abdominal wall and adjacent organs. Ulcer, hernia, appendicitis, ileus, peritonitis. Diseases of the genitourinary system.

**Teaching and assessment:**

Classes, lectures and workshops are held in specialized laboratories and in real conditions. Current control of lectures and exercises. Final grade is based on an exam.

**S02928 Nursing Care for Patients with Somatic Diseases II****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

**Abstract:**

The purpose of the discipline "Practical base of nurse care. Nurse care to Patients with Somatic Diseases II" is revealing common and special/ specific nurse care and their specifics in different areas of somatic pathology in medical science necessary in process of nurse training.

**Course content:**

Curriculum includes topics from the following directions:

Preparation and carrying out basic tests to patients with diseases of gastro-intestinal tract, diseases of liver and bile duct, urinary tract diseases, diseases of muscle-skeletal apparatus, blood diseases, toxicology and allergic diseases.

**Teaching and assessment:**

Main forms for classes are lectures and practical exercises.

Classes – lectures and exercises are led in health care rooms and in real circumstances in the relevant educational-practical bases – in- and outpatient.

There is continuous assessment during the lectures and exercises. The final mark is formed after an exam in two parts – theoretical and practical.

**S02722 Medical Equipment in Nursing Practice****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Anelia Manukova, Dept. of Public Health and Social Work, GSM: +359 82 821 993,

E-mail: [amanukova@uni-ruse.bg](mailto:amanukova@uni-ruse.bg)**Abstract:**

The course objective is to inform the students with the methodological and hardware problems of modern biomedical engineering, to introduce students to the main areas of application of technical equipment in nursing practice. The practical exercises are aimed at creating skill for experimental studies for different medical equipment and devices and also solving specific tasks in the field of their clinical application.

**Course content:**

Biological action of the electric current and electrical safety case studies. Electromagnetic waves and optical devices. Recording devices of the biopotentials – electrocardiogram. Measuring the temperature flow and blood pressure. Measuring pH. Centrifuges and sterilizers.

**Teaching and assessment:**

The lectures give the main theoretical knowledge through demonstrations of electronic medical devices and medical systems. Practical exercises help students acquire the skills and habits of independent work with various medical devices and medical systems. The final assessment is based on a written exam.

**S03012 Nursing Care in Pediatrics****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)**Abstract:**

The purpose of the discipline Nurse Care in Pediatrics is revealing common and special/ specific nurse care and their specifics in Pediatrics, their specifics in taking care to children nurse training.

**Course content:**

Curriculum contains of theoretical and practical modules, including: feeding of suckling and a child, physical healing procedures in suckling and child, basic principles of prophylaxis in childhood, social nurse care to children with diseases of respiratory, cardiovascular, digestive, urinary, nerve, endocrine systems. Special nurse cares in emergency conditions in pediatrics.

**Teaching and assessment:**

Main forms for classes are lectures and practical exercises. Classes – lectures and exercises are led in specialized rooms and in real clinical circumstances. There is continuous assessment during the lectures and exercises. The final mark is formed after an exam in two parts – theoretical and practical.

**S03058 Nursing Care at Home****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)Dept. of Health Care, E-mail: [gkoleva@uni-ruse.bg](mailto:gkoleva@uni-ruse.bg)**Abstract:**

The course aims to reveal general and special nursing care for home-based patients as well as their specificity in nursing; to outline the scientific status of the theory of health care for a person - whether healthy or ill; to acquire practical skills and competencies for home care for patients with diseases of different organs and systems; to build practical skills for planning, organizing and implementing nursing care at the patient's home.

**Course content:**

The course includes theoretical and practical modules: nursing care of the patient's regime and diet; care for monitoring vital functions; care in the application of physiotherapy, rehabilitation and kinesitherapy at home; care for diseases of respiratory, cardiovascular, digestive, nervous, urinary system; care for surgical diseases; care for diseases of the locomotor system; palliative nursing care.

**Teaching and assessment:**

The main forms of the classes are lectures and practical exercises. Lectures are conducted in the audiences of the University of Ruse and the practical exercises – in the specialized home care lab as well as in the patient's home. There is continuous assessment during the lectures and practical exercises. The final grade is based on an examination in two parts – theoretical and practical.

**S00019 Clinical Practice III****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: [dpgeorgieva@uni-ruse.bg](mailto:dpgeorgieva@uni-ruse.bg)Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: [ddraganova@uni-ruse.bg](mailto:ddraganova@uni-ruse.bg)Assoc. Prof. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: [gkoleva@uni-ruse.bg](mailto:gkoleva@uni-ruse.bg)Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: [tetodorova@uni-ruse.bg](mailto:tetodorova@uni-ruse.bg)**Abstract:**

The aim of the course is deepening and enhancing the acquired theoretical knowledge, developing practical skills and professional competencies in a real clinical environment, as well as developing communication skills with patients and team members. The objectives of the discipline are to outline the scientific status of nursing care and reveal their essence for hospitalized patients and people in need of long-term care.

**Course content:**

Clinical practice follows lectures and pre-clinical exercises. It takes place in a real environment. Clinical practice III is carried out in a surgical ward, an operating room, a children's ward, and an internal ward of the University Hospital in Rousse, as well as in social homes and hospices.

**Teaching and assessment:**

Clinical practice is organized, conducted and guided by a lecturer. The methodology of clinical practice is related to the organization and conduct of independent work of the students in a real environment. There is continuous assessment during the practical exercises through discussions, tests, case solving and situational tasks. The final control procedure is a two-part exam – theoretical and practical.

**SB15260 Communications in nursing practice****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100,

E-mail: dpgeorgieva@uni-ruse.bg

**Abstract:**

The aim of the course is to give the nurses knowledge, skills and communicative competences. Introducing the role of verbal and non-verbal communication in the nursing practice. Acquisition of psychological and medical knowledge, abilities and communication skills with both patients and their relatives. Acquiring knowledge of the particularities of personality in different age periods and applying individual approach to communication. Practical exercises develop skills in performing clinical communication with patients with psychiatric and somatic diseases.

**Course content:**

The course topics include introduction to the types of communication, process of communication, rules for active listening and feedback. The role of nonverbal communication in the professional communication of the nurse. Barriers to communication. The team as a social structure. The purpose of the practical exercises is to introduce causes, types and expressions of fear in the patients. Introducing different strategies of verbal and non-verbal communication. Rules and techniques of clinical communication

**Teaching and assessment:** the main form of conducting classes are lectures and practical exercises. Lectures are in the form of presentations and discussions. The main methods used in presentations are role playing, training, case studies, problem solving scenarios, which allow the formation of certain skills and competencies for communication. Part of the practice sessions are held in real clinical conditions. The final mark is formed by an exam.

**SB13769 Nursing care in aesthetic dermatology and medical cosmetics****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Grozeva, MD, PhD, Dept. of Health Care, tel. +359888594144,

E-mail: dgrozeva@uni-ruse.bg

**Abstract:**

Every student who has passed the course in Aesthetic dermatology and medical cosmetics must possess knowledge in the field of medical cosmetics and its application to various skin types and problems. Required knowledge of the use of various anti-aging treatments, administered by injection.

**Course content:**

The course content includes study of the following problems: Structure and importance of the skin. Functions, secretion, pH, hydration of the skin. Skin and environmental factors. What is aesthetic dermatology and medical cosmetics. Cosmetic safety of medical cosmetics. Skin patch testing different allergens for skin allergy.

**Teaching and assessment:**

The main forms of conducting classes are lectures. Methods: lecture, discussion; surveillance; study of documents; practice problem solving that illustrate and specify theoretical material. Computer presentation and other visual materials are also used. The final grade is formed from theoretical knowledge and presentation of an essay.

**Weekly classes:** 2lec+0sem+0labs+1ps**Type of exam:** written**Weekly classes:** 2lec+0sem+0labs+0ps**Type of exam:** written

**SB15261 Nursing Care in Dental Medicine****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, Dept. of Health Care, GSM.:+359 888731063,

E-mail: iserbezova@uni-ruse.bg

Dr. Milka Serbezova, PhD, Dept. of Health Care, tel. +359 888 421

**Abstract:**

The main purpose of the elective course in Nursing Care in Dental Medicine is to introduce students to the specifications of the requirements of the modern dental office as well as the function of the nurse assisting and supporting the dentist, as well as caring out tasks for the patient dental care.

**Course content:**

It involves the function of the nurse in the dental clinic. Layout of the dental clinic. Tools use in the dental practice. Anatomical and physiological features in the teeth, and the difference between an adult and adolescent. General knowledge in the ability of the nurse to work in dental surgery, therapeutic dental nursery, children and orthodontist nursery. Nurse's obligations within the cooperation between the X-ray lab and the dental clinic.

**Teaching and assessment:**

The lectures take place in a lecture room, equipped with the relevant multimedia for presentations. Practice: In real life ambulatory for dental care and hygiene, where students observe the organization in the nurse's work place. The final grade is based on a written exam. The paper is theoretical and covers lecture material and it continues with a verbal test, in order to establish the level of gathered knowledge, which the student possesses

**S04108 Pharmacology****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Antonia Kastelova, MD, PhD, Dept. of Health Care, GSM 00359 888768714,

E-mail: akastelova@sopharma.bg

**Abstract:**

The aim of the course in Pharmacology is to provide students with advanced theoretical and practical knowledge about medicines, needed for their comprehensive professional training and clinical work.

In the spirit of the new academic degree programme the requirements for the training of nurses have been significantly raised. Besides basic knowledge about the different pharmacological groups, they have to know the specific impact, kinetics and interactions, depending on various factors of the medicine, the patient's organism and the environment.

**Course content:**

The syllabus includes topics from the following fields: Subject and objectives of pharmacology. Types of prescriptions. Medicine form – definition, types. Administering the medicine into the organism. Pharmacodynamics. Pharmacokinetics. Special pharmacology. Anti-microbe medicines.

**Teaching and assessment:**

Students get acquainted with the theoretical course content through lectures. The practicals illustrate the theory through examples and diagrams. Continuous assessment is conducted through regular tests (in the beginning of every practical) and oral discussions. A final test is conducted during the last seminar. The final procedure is an exam with two topics from the syllabus.

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written**Weekly classes:** 2lec+0sem+0labs+1ps**Type of exam:** written



**S04097 Geriatrics****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Dobrin Vasilev, MD, PhD, Dept. of Health Care, tel.: +359 82 888 421,

E-mail: dobrinv@gmail.com

**Abstract:**

The education of geriatrics has the purpose to combine optimally theory and practical skills for doing nursing to elderly people in the circumstances of ambulatory practice, as well as hospital medical aid in all the spectrum of disease, met in advanced and elderly age. The main purpose of education is achieving knowledge for quality of life, special characteristics in prevention and rehabilitation, as well as practical skills for making high quality nurse activities in elderly people. Important point in training of future nurses is attaining skills for adequate team work with specialist from different specialties substantiated the modern tendency in geriatrics for specialized geriatric help from teams of different specialists.

**Course content:**

Lecturers involve: Gerontology. Growing old and old age. Theories for growing old. Physiologic changes in ageing. Geriatrics. Healthcare for elderly people. Organization of medical help. Palliative care. Psychological problems, connected with ageing Geriatric pharmacology. Nutrition of elderly people. Characteristic and specific features of elderly people diseases. Specific features of clinical evaluation. Main clinical principles in geriatrics. Practical exercises include respiratory system diseases of elderly, cardiovascular and gastrointestinal diseases, blood diseases, diseases of urinal system of elderly, of endocrine system, of muscle-skeletal system and surgical problems in geriatrics.

**Teaching and assessment:**

The main forms for classes are lectures and practical exercises. Classes – lectures and exercises are carried out in specialized rooms and in real conditions. There is continuous assessment during the lectures and exercises. The final mark of the subject is formed after an exam in 2 parts – theoretical and practical.

**S02759 Medical Genetics****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Iliana Kostova, PhD, phone +359882836776, E-mail: ikostova@uni-ruse.bg

**Abstract:**

The course of medical genetics is intended for students in nursing at the University of Ruse. The lectures present the basic anomalies in human genetics and violations leading to it, getting inherited in different families, spreading innate and inherited diseases in the population and the principles of genetic diagnosis and prevention. The main groups of congenital defects and diseases are considered - chromosome, molecular and those with hereditary predisposition. The knowledge about the main approaches of genetic prevention is very important - prenatal diagnosis, genetic screening of pregnant women, and selective and mass screening of newborns for congenital malformations and inherited metabolic diseases, etc.

**Course content:**

General concepts in genetics. Classification and distribution of hereditary diseases. Methods of genetic testing of humans. Chromosomal disorders. Diagnosis of chromosomal diseases – cytogenetic methods. Indications for referral. Monogenic syndromes, inborn errors of metabolism, hemoglobinopathies. Diagnosis of monogenic syndromes – genealogy, biochemical and molecular genetic methods. Multifactorial inherited congenital anomalies and frequent diseases in adults. Diagnostics.

**Teaching and assessment:**

Modern audiovisual aids are used during the lectures. Laboratory exercises are conducted in the training laboratories of the university. The final grade is formed on the basis of a successful written exam.

**S03536 Human Clinical Pathology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Petar Genev, MD, Dept. of Health Care, GSM: +359 885 163 760, E-mail: ggenev@gmail.com

**Abstract:**

The purpose of the discipline is to teach the basic general pathology processes and morphological changes at the most common nosological units. Particular emphasis is placed on disorders of the blood and lymphatic circulation, inflammation compensating-adaptive processes (regeneration, hypertrophy, hyperplasia, atrophy). The diseases associated with the external environment to learn basic pathological processes and mechanisms of pathological changes in organs and systems in different diseases are discussed.

**Course content:**

Subject, tasks and methods of research in pathology. Degenerative cellular and extracellular pathological processes. Morphological manifestations of disorders of protein, fat and pigment metabolism. Hyalinosis, amyloidosis. Disturbances in mineral metabolism. Blood circulation. Ischaemia disorders. Haemorrhages. Thrombosis, embolism, myocardial-species output. Immunopathology. Types of immunological reactions. Autoimmune diseases. Innate and acquired immune deficits. Tumors. Precancerous conditions, types of tumors, benign and malignant types according to their histogenesis. Morphological manifestations of socially significant diseases of the respiratory system-inflammatory and tumors. Methods of examination in the pathology. Pathological processes species. Violation in protein, fat, pigment and mineral metabolism.

**Teaching and assessment:** Lectures are held in the auditorium. Various interactive methodical presentation, lecture, discussion, demonstration, case studies, directed at stimulating students' active participation. Practical exercises are conducted in the pathology room in the Hospital of Ruse. The main methods are a demonstration of biopsy samples with pathological damage, pictures, models. The final grade is based on the evaluation of the examination conducted in two parts - theoretical and practical.

**SB14369 Nursing Care for Geriatric Patients****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100,

E-mail: dpgeorgieva@uni-ruse.bg

**Abstract:**

The main purpose of the course is to introduce the students to the characteristics of adult and elderly people as well as to acquire knowledge and skills to assess, plan and provide science-based professional nursing care for geriatric patients at home, in an institution or in hospitals for active treatment.

**Course content:**

The course covers the following topics: Aging, old age and disease. Aging and personality. Emotional changes during aging. Special nursing care in cases of reduced activity, immobilisation, instability, falls, iatrogenic drug interactions. During the seminars topics related to the peculiarities of communication in geriatrics and the most common somatic diseases in elderly are discussed. The practical exercises are focused on developing skills for carrying out an individual assessment and planning of nursing care.

**Teaching and assessment:**

Lectures are delivered in a specialized auditorium for training, equipped with the corresponding projection equipment – multimedia computer presentations. Practical exercises are conducted in medical and social institutions for the elderly and specialized auditorium for practical exercises.

**Weekly classes:** 1lec+1sem+0labs+2ps**Type of exam:** written

**S02808 Nursing Care for Patients with Somatic Diseases I****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100,

E-mail: dpgeorgieva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421,

E-mail: ihristova@uni-ruse.bg

**Abstract:**

The aim of this course is for students to acquire theoretical knowledge and practical skills related to the main symptoms of somatic illnesses, the preparation and conducting of diagnostics, the basic nursing technique for the therapeutic and diagnostic process, as well as identifying emergency states and providing adequate nurse's reaction. The expected outcome would be acquisition of knowledge and skills and formation of clinical thinking for accurate planning and implementation of nursing care.

**Course content:**

The syllabus includes topics from the following fields: Preparation and conducting of basic medical tests of patients with health problems in the respiratory, cardiovascular and endocrine systems. General and specific nursing care.

**Teaching and assessment:**

The course is taught through lectures and practical seminars, which are held in specialized rooms for health care, as well as in real conditions at the respective education and practice facilities – hospitals, diagnostic consultancy centers, medical centers, etc. Continuous assessment is carried out during both lectures and seminars. The final grade is formed after a two-part exam – theory and practice.

**S04075 Nursing Care for Patients with Surgical Diseases II****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021,

E-mail: ddraganova@uni-ruse.bg

**Abstract:**

The purpose of the discipline Nursing Care for Patients with Surgical Diseases II is revealing common and special nursing care and their specifics in the area of medical needs of surgical diseases during nurse training. The discipline is included in "Practical Base of Nurse Care" module and is provided for studying during V term of curriculum, when students have achieved knowledge of common medical disciplines and have listened to lecture courses of Surgery, Internal diseases, Neurology, Pediatrics. Thus this educational subject is connected logically to learned knowledge and attained competencies.

**Course content:**

Special nursing care for patients with operations of digestive tract and abdominal wall. Special nursing care for patients with operations of liver, gall bladder and ducts, and pancreas. Special nursing care for patients with operations of cardio-vascular system. Special nursing care for patients with urologic operations. Special nursing care for patients with neurosurgical operations. Preparations for analysis and special nursing care for patients with diseases of muscular-skeletal system. Special nursing care in traumatology.

**Teaching and assessment:**

Main forms of classes are lectures and practical exercises. Used methods are discussions, observations; investigation of documents; project. Standard and situation tasks and problems are put on during classes. There is continuous assessment during each practical exercise with a concrete standard and situation tasks. 100 % attendance of lectures and practical exercises is requested. The final grade is from 1 to 6 and is formed after an exam – theoretical and practical, with preliminarily made synopsis in 2 parts.

**S04094 Social Medicine****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikola Sabev, MD, DSc, Dept. of Health Care, GSM: +359 887 356 342,

E-mail: nsabev@uni-ruse.bg

**Abstract:**

The main purpose of education in Social medicine is to get students acquainted with modern basics of public healthcare: development of health concept, social factors of health/illness, ways of health measurement, main purposes of public health. The discipline gives knowledge on social and medical way in health practice. General and specific tasks of medical specialists are taken up, especially of nurses, in different directions of healthcare organization.

**Course content:**

This curriculum consists of the following components: Introduction to social medicine. Ways of studying and evaluating public health. Organization and work of health service. Health promotion, concept for healthy lifestyle. Elements of healthy lifestyle. Health promotion by stimulating a healthy lifestyle.

**Teaching and assessment:**

Forms for classes: lectures and practical exercises. Lectures and practical exercises are carried out in auditorium, provided with visualizing devices. Methods of teaching and assessment: modern interactive methods – presentations, discussion, demonstration, problem solving and situational tasks. Methodic way of exercise includes actualizing of knowledge lectures. There is a test for checking and evaluating educational process. Current control mark is formed by the test and students' participation in practical exercises. A condition for countersign is: 100% lectures visit and solving of current control tests. Final control procedure is an exam. Final mark is formed by current control mark and theoretical exam.

**S04076 Nursing Care for Patients with Infectious Diseases****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100,

E-mail: dpgeorgieva@uni-ruse.bg

**Abstract:**

The purpose of the discipline Nursing care for patients with infectious diseases is revealing common and special nursing care for a patient with infectious disease, as well as its specifics in nursing education.

**Course content:**

Methods for assessment of an infectious patient. Special nursing care for patients with digestive infections. Special nursing care for patients with air dropped infections. Duties of nurses, working with infectious patients. Methods of examinations and special nursing care for patients with skin and venereal diseases. Rashes.

**Teaching and assessment:**

Main forms for classes are lectures and practicals. Standard and situation tasks and problems are put on during classes. Case discussions. There is continuous assessment during the practical exercises with standard and situation tasks and problems. For countersign there should be 100 % attendance of lectures and practical exercises. The final mark is from 1 to 6 and is formed after an exam – theoretical and practical, with preliminarily made synopsis.

**SB14370 Nursing Care for Children and Adults with Disabilities****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health care, tel: +359889789100,

E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021,

E-mail: ddraganova@uni-ruse.bg

**Abstract:**

The purpose of the discipline “Nursing care for children and adults with disabilities” is to show the general and special nursing care for children and adults with disabilities, as well as their specificity in the training of the nurse. Training the nurse in caring of children and adults with disabilities.

**Course content:**

Medico-social aspects of nursing care for children and adults with disabilities. Differences in nursing care for children and for adults with disabilities. Nursing care for children with disabilities – types of disabilities and specificities of care. Nursing care for adults with disabilities – types of disabilities and specificities of care. Foster care. The role of the nurse in providing psychological support for foster parents of children with disabilities. Educating the family to take care of children and adults with disabilities. National strategy for protection and integration of children and people with disabilities. The law on integration of people with disabilities. Social adaptation and rehabilitation of patients with disabilities.

**Teaching and assessment:**

The main teaching method are lectures and practical exercises where discourses, discussions, observations, document analysis, and projects are used. Computer presentations and visual materials are also used. The assessment methods include discourses, discussions, didactic tests, solving cases and situational tasks, work in small groups. To enter in the final exam 100% attendance at the lectures and practical exercises is required, participating in the discussions and solving the given tasks. The final grade is formed after taking an exam in two parts – theory and practice.

**S04095 Principles and Methods of Teaching****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Todorka Stefanova, PhD, Dept. of Health Care, phone: +359 888543249, E-mail: dora@uni-ruse.bg

**Abstract:**

The purpose of the discipline is to give basic didactic and methodic knowledge, skills and competencies in one of the activities, which Ordinance №1 from 08.02.2011 defines as training and assessment in the area of health care.

**Course content:**

Content is structured in module principles. The first module, with 5 hours workload, goes into normative documents for health care education. The second module, with 19 hours workload, goes into components of a methodic system – purposes, curriculum system, technology of teaching. The third module, with 6 hours workload, is directed at concrete methodic systems – problem based education, interactive education.

**Teaching and assessment:**

Education is carried out in the form of lectures and seminary exercises. Work methods take into consideration the specifics of students' training. Exercises are led in groups and in the center of the process is the person of a student. The role of the tutor is preparing exercises plan and helping to found a calm and creative environment, in which each student will have an opportunity for personal expression. Final control procedure is a term exam. The final mark of a student is formed by the current control marks and a term exam in two parts – theoretical and practical.

**Weekly classes:** 1lec+1sem+0labs+2ps**Type of exam:** written, practical**Weekly classes:** 2lec+0sem+0labs+1ps**Type of exam:** written

**S04068 Clinical Practice IV****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: ddraganova@uni-ruse.bg

Assoc. Prof. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

**Abstract:**

The aim of the course is deepening and improving the acquired theoretical knowledge, forming practical skills and professional competencies in a real clinical environment. The objectives of the discipline are to outline the scientific status of nursing care and reveal their essence for hospitalized patients, to acquire the necessary knowledge to prepare and carry out research of different organs and systems as well as active nursing observation and treatment. Acquiring knowledge and developing practical skills for long-term care for children and adults with disabilities.

**Course content:**

Clinical practice IV is carried out in a surgical ward, a children's ward and an internal ward of the University Hospital in Rousse, as well as in medical and social Homes for disabled children and adults and nursery homes. Topics are selected in the relative fields.

**Teaching and assessment:**

The methodology for conducting clinical practice is related to the organization and conduct of independent work of students in a real environment. It includes organizing the group for independent work or small group work, placing individual specific tasks. Clinical practice is organized, conducted and directed by a lecturer. It follows the lectures, preclinical and clinical practical exercises in a real environment. There is continuous assessment during each practical exercise through tests, case studies and situational tasks. The final control procedure is a two-part exam – theoretical and practical.

**S04003 Dermatology and Venerology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Grozeva, MD, PhD, Dept. of Health Care, tel. +359888594144,

E-mail: dgrozeva@uni-ruse.bg

**Abstract:**

Each student, passed through the discipline Dermatology and Venerology should be able to assist in diagnosing and treatment in diseases of skin and skin appendages, to assist in microbiologic and mycological macroscopic diagnosing by skin and mucous membrane smear; in macroscopic diagnosing of biopsy from skin, mucous membrane and skin appendages, as well as having basic skills in skin diseases operations.

**Course content:**

Theoretical knowledge and practical skills for structure and function of normal skin, skin appendages and visible mucous membranes, pathologic processes in different skin layers, their diagnostics, differential diagnose and treatment. Future health stuff should be able to assist in putting diagnose and treatment of chronic dermatoses, bullous dermatoses and skin tumors.

**Teaching and assessment:**

Lectures are conducted in a specialized auditorium for training, equipped with a corresponding projection equipment – multimedia computer presentations. Practical exercises are conducted in a specialized classroom in the educational practical complex of the professional domain of Health care. A simulated patient and simulated hospital environment and initial topics that allow simulation activities are used.

**Weekly classes:** 0lec+0sem+0labs+12ps**Type of exam:** written, practical**Weekly classes:** 0,5lec+0sem+0labs+0,5ps**Type of exam:** written

**S04062 Obstetrics and Gynecology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Atanas Shterev, PhD, Dept. of Public Health, tel.+359 82 888 421

Prof. Tanya Timeva, PhD, Dept. of Public Health, tel.+359 2 9200901

**Abstract:**

The main objective of the course is learning the terminology, the ability to work in a multidisciplinary team, and specific care for pregnant women, mothers and gynecological patients with infectious and venereal diseases until the patient was taken to the midwife or obstetrician.

**Course content:**

The program includes lectures and seminars with topics aimed at: female anatomy, course of pregnancy, the physiology of the birth process, the processes observed in puerperium more important deviations in pregnancy, such as hypertensive complications, prematurity and pregnancy after term. Both gynecology modules include themes of prevention, diagnosis and treatment of infertility, behavior in benign and malignant tumors, methods of contraception and others. Extremely useful for the preparation of future nurses included in the program is emergencies in gynecology, which would lead to adequate behavior to taking the patient by a specialized team.

**Teaching and assessment:**

Lectures are conducted in front of a specialized audience for training in obstetrics and gynecology, equipped with a corresponding projection equipment – multimedia computer presentations. Practical exercises are conducted in a specialized classroom of obstetrics and gynecology, which uses models, simulated patient and simulated hospital environment, as well as in a real hospital environment. The final assessment is formed after the semester examination. The written exam consists of two parts – theoretical and practical. The theoretical part covers issues from the lectures and the practical one – questions and tasks of practical exercises.

**S02723 Microbiology, Parasitology and Virology****ECTS credits:** 2**Assessment:** exam

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Iliana Kostova, PhD, phone +359882836776, E-mail: ikostova@uni-ruse.bg

**Abstract:**

The main objective of the course in microbiology, parasitology and virology is to clarify the nature of microbiology and virology as etiological science that supports the diagnosis of infectious diseases and epidemiological situations through various laboratory tests. Acquisition of knowledge and skills in making, storing and sending of materials for microbiological examination and professional competencies for independent work with patients.

**Course content:**

The curriculum includes the following modules. General Microbiology - studying the morphology, structure and generally accepted regularities inherent pathogens. In module Infection and Immunity studied the relationship between macro-organism and pathogens, as well as protective mechanisms macro used to combat pathogens. The special module microbiology and virology study various types of pathogens - morphology, resistance to various physical, chemical factors, chemotherapeutics, antibiotics way of occurrence of communicable diseases, pathogenesis, diagnostics, specific therapy and prevention.

**Teaching and assessment:**

The main forms of training are lectures and practical exercises. The lectures are held in room equipped with computer and multimedia and computer presentations are used to illustrate the lecture topics. Practical exercises complement and illustrate the theoretical material. Practical exercises are conducted in a microbiological laboratory. There is continuous assessment which is conducted in the form of written tests, educational and practical case studies. The final mark is formed on the basis of a successful written exam.

**Weekly classes:** 1,5lec+0sem+0labs+0,5ps**Type of exam:** written**Weekly classes:** 1,5lec+0sem+0labs+0,5ps**Type of exam:** written

**S02812 Medical Nutrition****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Ognyan Sherbanov, Ph.D. E-mail: osherbanov@uni-ruse.bg

**Abstract:**

The purpose of the course is to prepare nurses to be able to build a correct, scientifically based nutrition regimen. To contribute implementing dietary nutrition in hospitals and therapeutic facilities, sanatoriums, rehabilitation centers, etc. To form professional competence and to determine the nutrition regimen according to the underlying condition of the patient, the stage of his activity, his energy needs and body weight.

**Course content:**

The course includes the following topics: importance of nutrition as a therapeutic and preventive factor, basic and additional nutrients, diseases caused by malnutrition, overfeeding and incorrect diet, diets to achieve a healthy body weight, basic and special dietary regimens.

**Teaching and assessment:**

The main ways to conduct study sessions are lectures and practical exercises. Classes in the form of lectures and practical exercises are conducted in specialized cabinets and in real conditions. There is continuous assessment and also sitting for an exam in two parts – theoretical and practical.

**SB14371 Anesthesiology, Resuscitation and Intensive Care****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Hristo Bozov, MD, PhD, Dept. of Health Care, tel. +359 82 888421, E-mail: hr\_bozov@yahoo.com

Assoc. Prof. Teodora Nedeva, MD, PhD, Dept. of Health Care, GSM: +359 887 468 695,

E-mail: tsherbanova@uni-ruse.bg

**Abstract:**

The main objective of the Anesthesiology and Intensive care curriculum is to define and clarify the current scientific concepts concerning anesthesia, analgesia, resuscitation and intensive care. The training tasks are to develop nurses' theoretical knowledge and practical skills to provide first aid to patients with life threatening disorders, to assist to the anesthesiologist to perform various techniques, to monitor patients vital indexes and to work in teams.

**Course content:**

The curriculum consists of two main parts: Anesthesiology – definition, aims, subject. Preparing a patient for an anesthesia. Informed consent. Documentation. Anesthesia systems. Types of anesthesia- general and regional. Intraoperative monitoring. Equipment and medication for anesthesia and analgesia. Specifics and complications of the different types of anesthesia. Intensive care and resuscitation – definition, ICU organization. Basic methods, strategies and techniques for intensive monitoring and treatment of different critical and life threatening situations. Nurses behavior in case of a clinical death. Detection and role of the nurses in comas and brain death. Basic knowledge on the process of donation and transplantation. Basic principles of correction of water- electrolyte and blood gases disturbances. Infusion therapy, parenteral and enteral nutrition. Nosocomial infections in ICU. Documentation.

**Teaching and assessment:**

Teaching includes lectures and practical exercises. The lectures are held in an auditorium, where modern methods of presentations, case studies and discussions are used. This stimulates students' active participation and attention during teaching. The workshops are carried out in the departments of Anesthesiology, intensive treatment of surgical and therapeutic diseases at the University Hospital in Ruse. Practical training includes small groups works, discussions of clinical cases, individual assignments. The knowledge acquired is tested and evaluated through discussions, questions and tests. The final grade is given after a successful completion of a written test.

**Weekly classes:** 0,5lec+0sem+0labs+0,5ps**Type of exam:** written**Weekly classes:** 2lec+1sem+0labs+1ps**Type of exam:** written



**S04083 Health Promotion****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikola Sabev, MD, DSc, Dept. of Health Care, GSM: +359 887 356 342,

E-mail: nsabev@uni-ruse.bg

**Abstract:**

The aim of the course is to acquaint students with the strategy which most closely connects people's health with their living environment and reveals great potential for improving the health of individuals and society. The discipline is reasonably included in the curriculum of Nursing in the professional field of Health care as nursing as a profession has a great potential for working in health promotion.

**Course content:**

The course content includes the following areas: Public Health context of the development of the concept of health promotion. Basic principles of the Ottawa Charter. Promotion of health and health-enhancing social policy. Health promotion and creation of health-enhancing living environment. Increasing public participation in health activities. Development of personal skills, knowledge and possibilities for health promotion. Health motivation. Healthy lifestyle. Health education, nature, objectives, principles.

**Teaching and assessment:**

Teaching is executed through lectures. During lectures various visualizing tools are used. The lectures are complemented by practical exercises for which students are preparing on pre-established theses. Through seminars students are introduced to global and local actions – campaigns and projects. The training ends with a written test which result constitutes 50% of the final grade. The rest 50% is formed by ongoing assessment.

**S04072 Infectious Diseases and Epidemiology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Angel Kunchev, Ph.D. E-mail: akunchev@uni-ruse.bg

**Abstract:**

The course includes lectures introduction to epidemiology and infectious diseases. Training in infectious diseases and epidemiology of communicable diseases nursing aims to give the main features of the theoretical epidemiology and application of epidemiological method - epidemiological teaching other medical sciences.

**Course content:**

The curriculum includes theoretical and practical modules covering the following areas – epidemiology and infectious diseases with general and special (independent) part. The general part studies the relationship between macroorganism and pathogens, as well as the protective mechanism the macroorganism uses to combat the pathogens by addressing integrated infectious and epidemic process. The practical exercises complement, illustrate and build the theoretical material.

**Teaching and assessment:**

Study sessions are conducted in the form of lectures and practical exercises. The lectures are held in auditoriums with application of modern methods – presentations, discussions, case studies. The final grade is formed after a written exam.

**Weekly classes:** 0,5lec+0sem+0labs+0,5ps**Type of exam:** written**Weekly classes:** 1,5lec+0sem+0labs+0,5ps**Type of exam:** written

**S04073 Ophthalmology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Krasimir Koev, MD, PhD, Dept. of Public Health, GSM: +359 896 291 020

Dr Magdalena Mladenova, Dept. of Public Health, tel. +359 82 888 421

**Abstract:**

Purpose and objectives of the course are that nurses acquire a system of knowledge and skills about ophthalmology as a prerequisite for application of special nursing care when working in eye surgery, eye care unit and outpatient care. Topics of practical exercises build and illustrate lectures and contribute to building practical skills and competencies. Expected outcomes - to acquire theoretical knowledge and practical skills for nursing care for newborns in ophthalmic diseases; for the role, place and participation in the preparation and carrying out of laboratory and other tests; to develop skills for proper treatment of chemical and thermal burns, removal of foreign bodies in the eye and application of all bandages to the eye.

**Course content:**

Anatomy and physiology of the visual system. Diseases of the lacrimal apparatus, eyelids, conjunctiva, cornea and uvea, concepts and nature of glaucoma and cataract. Traumatic diseases etc.

**Teaching and assessment:**

Forms of training are lectures and practicals. Classes – lectures and exercises are conducted in specialized rooms and in real situations. There is continuous assessment during the lectures and exercises. The final grade is formed after the exam.

**S04096 Nursing Care in Reanimation and Intensive Therapy****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421,

E-mail: gkoleva@uni-ruse.bg

**Abstract:**

The purpose of the discipline Nursing care in reanimation and intensive therapy is revealing common and special nursing care in emergency conditions, threatening patient's life, as well as their specifics in nursing education. The discipline is included in the module of Practical Basics of Nursing Care and is provided during the 5<sup>th</sup> semester, when students have gained knowledge of general medical disciplines and have listened to lecture courses in Anesthesiology and Intensive care, Surgical diseases, Internal diseases, Neurology, Pediatrics. Thus this course is connected logically to learned knowledge and attained competencies.

**Course content:**

Nurse's behavior to a patient in shock. Nurse's behavior in emergency conditions in outpatient practice. Intensive nursing care to patients with cardiovascular diseases. Intensive nursing care to patients with endocrine diseases. Intensive nursing care to patients with urinal tract diseases. Intensive nursing care to patients with diseases of digestive system.

**Teaching and assessment:**

Main forms for classes are lectures and practicals. Standard and situation tasks and problems are put on during classes. Case discussion. The choice of common task for practical exercise is connected to the didactic purpose of the exercise and the choice of individual tasks is connected to the specificity of different clinical cases and the principle for individual and differentiated way to any student. There is continuous assessment during each practical exercise with a method typical for a practical exercise. Control is conducted during school clinical practice throughout the term.

**S04075 Nursing Care for Patients with Surgical Diseases II****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021,

E-mail: ddraganova@uni-ruse.bg

**Abstract:**

The purpose of the discipline Nursing Care for Patients with Surgical Diseases II is revealing common and special nursing care and their specifics in the area of medical needs of surgical diseases during nurse training. The discipline is included in "Practical Base of Nurse Care" module and is provided for studying during V term of curriculum, when students have achieved knowledge of common medical disciplines and have listened to lecture courses of Surgery, Internal diseases, Neurology, Pediatrics. Thus this educational subject is connected logically to learned knowledge and attained competencies.

**Course content:**

Special nursing care for patients with operations of digestive tract and abdominal wall. Special nursing care for patients with operations of liver, gall bladder and ducts, and pancreas. Special nursing care for patients with operations of cardio-vascular system. Special nursing care for patients with urologic operations. Special nursing care for patients with neurosurgical operations. Preparations for analysis and special nursing care for patients with diseases of muscular-skeletal system. Special nursing care in traumatology.

**Teaching and assessment:**

Main forms of classes are lectures and practical exercises. Used methods are discussions, observations; investigation of documents; project. Standard and situation tasks and problems are put on during classes. There is continuous assessment during each practical exercise with a concrete standard and situation tasks. 100 % attendance of lectures and practical exercises is requested. The final grade is from 1 to 6 and is formed after an exam – theoretical and practical, with preliminarily made synopsis in 2 parts.

**S04077 Medical Ethics and Deontology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Silvia Alexandrova-Yankulovska, MD, DCs, MU – Pleven, tel. +359 64 884 196,

E-mail: silviya\_aleksandrova@mu-pleven.bg

**Abstract:**

The course aims to acquaint future nurses with basic concepts and problems of medical ethics and deontology, to help students develop ethical sensitivity and moral reasoning in the course of their future work and to prepare them for making decisions in accordance with legal norms.

**Course content:**

Educational content is separated into the following sections: General theory of ethics – nature, methods, theories, principles, confidentiality, patterns of relationships, patients' rights and informed consent; Deontological matters of medical practice – regularity of medical acts, forced treatment, obligation to provide medical care, illegally practicing medical activity, documentaries crimes in medical practice, negligent medical professional offenses adversely leaked cases in medical practice and others.

**Teaching and assessment:**

Study sessions are conducted in the form of lectures and seminars. The following methods are used: presentations, discussions, debate, case studies. The methodological structure includes presentation of the main theoretical topics, open discussion and feedback from the students. There is continuous assessment which is conducted in the form of tests. To complete the semester a 100% attendance of lectures, seminars and tests is required. The final evaluation is based on an exam on a pre-established questionnaire.

**Weekly classes:** 1lec+0sem+0labs+2ps**Type of exam:** written, practical**Weekly classes:** 1,5lec+0sem+0labs+0,5ps**Type of exam:** written

**S04078 Clinical Practice V****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: ddraganova@uni-ruse.bg

Assoc. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

The aim of the Clinical Practice V is consolidation and application of knowledge, skills and competencies in real clinical conditions. Students work with patients with surgical, neurological, infectious, psychiatric and surgical diseases targeted for intensive treatment. The course aims to reveal the nature of general and special nursing care in the relevant structures and their specifics depending on the disease. The expected results are: formation of knowledge, skills and competences to lay the correct quality and scientifically based care; to acquire professional skills and competences, sense of responsibility, discipline and teamwork; to build the necessary moral and ethical qualities to work in a relevant clinical and outpatient structures. Strengthening the competences of the professional activities that the nurse can perform independently and to medical appointments.

**Course content:**

The topics for clinical practice are consistent with the medical specialities in the program – surgical ward, Intensive Care Unit for surgical diseases, neonatology, infectious ward and mental health center.

**Teaching and assessment:**

Clinical practice is organized, conducted and directed by the teacher. It follows lectures, preclinical and clinical practical exercises held in a real clinical setting with the duration of 6 academic hours, twice a week. The methodology of conducting clinical practice is associated with the organization and the individual work of students. Pedagogical supervision is used to execute ongoing assessment of students' practical skills in carrying out activities and manipulations during clinical practice. The final grade is based on an examination conducted in two parts – theoretical and practical.

**S04080 Physical Therapy and Rehabilitation****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Kiril Panayotov, MD, PhD, Dept. of Health Care, GSM: +359 888 309621, E-mail: zkm@abv.bg

**Abstract:**

The main goal of training in Physical Therapy and Rehabilitation of students in health care – nurses is to gain basic knowledge of the biological, physiological and therapeutic effects of natural and preformed physical factors and their application for the needs of physiopreventive therapy, physiotherapy and medical rehabilitation in common and socially significant diseases.

**Course content:**

The content of the course includes the following modules: Physiotherapy. Types of physical factors, basic principles of action, mechanisms of action of preformed physical factors on the human body. The rehabilitation nature, sections principles contingents of rehabilitation, rehabilitation potential, developing a rehabilitation programme. Basics of electrotherapy. Types of electrical currents used in physiotherapy – direct and alternate, low, medium and high frequency. Eligible sensations of the electrodes to the patient.

**Teaching and assessment:**

The main forms of conducting classes are lectures and practical exercises. Lectures are held in the auditorium equipped with visualization tools. Practical exercises are conducted immediately following the lecture topic and are held in accredited clinical training facilities at the University of Ruse. The final grade is based on a written exam.

**Weekly classes:** 0lec+0sem+0labs+12ps**Type of exam:** written, practical**Weekly classes:** 0,5lec+0sem+0labs+0,5ps**Type of exam:** written

**S04081 Otorhinolaryngology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Dilyana Vicheva, MD, PhD, Dept. of Health Care, GSM: +359 888 223 675,

E-mail: dilyana@bulgarianrhinologicsociety.org

**Abstract:**

Purpose and objectives of the course are to provide nurses with a system of knowledge and skills about the ear-nasal-throat diseases, as a prerequisite for utilization of special nursing care. Topics of practical exercises build and illustrate lectures and contribute to building practical skills and competencies.

**Course content:**

The course includes the following topics: Anatomy and Physiology of the hearing analyzer. Traumatic injuries to outer ear and eardrum. Professional hearing damage from noise, vibration. Emergency in otorhinolaryngology. Inflammatory and non-inflammatory diseases in otorhinolaryngology. Cancer of the larynx and pharynx.

**Teaching and assessment:**

Forms of conducting classes are lectures and practical exercises. Lectures and practicals are conducted in specialized rooms, and in real situation. Continuous control is conducted during lectures and exercises. The final grade is formed after the exam.

**Weekly classes:** 0,5lec+0sem+0labs+0,5ps**Type of exam:** written**S04094 Social Medicine****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Nikola Sabev, MD, DSc, Dept. of Health Care, GSM: +359 887 356 342,

E-mail: nsabev@uni-ruse.bg

**Abstract:**

The main purpose of education in Social medicine is to get students acquainted with modern basics of public healthcare: development of health concept, social factors of health/illness, ways of health measurement, main purposes of public health. The discipline gives knowledge on social and medical way in health practice. General and specific tasks of medical specialists are taken up, especially of nurses, in different directions of healthcare organization.

**Course content:**

This curriculum consists of the following components: Introduction to social medicine. Ways of studying and evaluating public health. Organization and work of health service. Health promotion, concept for healthy lifestyle. Elements of healthy lifestyle. Health promotion by stimulating a healthy lifestyle.

**Teaching and assessment:**

Forms for classes: lectures and practical exercises. Lectures and practical exercises are carried out in auditorium, provided with visualizing devises. Methods of teaching and assessment: modern interactive methods – presentations, discussion, demonstration, problem solving and situational tasks. Methodic way of exercise includes actualizing of knowledge lectures. There is a test for checking and evaluating educational process. Current control mark is formed by the test and students' participation in practical exercises. A condition for countersign is: 100% lectures visit and solving of current control tests. Final control procedure is an exam. Final mark is formed by current control mark and theoretical exam.

**Weekly classes:** 1,5lec+0sem+0labs+0,5ps**Type of exam:** written

**S04084 Medical Provision in Disasters****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Margaritka Filipova, PhD, Dept. of Thermotechnics, Hydraulics and Ecology,

GSM: +359 887308311, E-mail: [mfilipova@uni-ruse.bg](mailto:mfilipova@uni-ruse.bg)**Abstract:**

The course in medical provision in disasters studies issues related to the specific problems of mass medicine in cases of natural and technogenic disasters, accidents and catastrophes in clinical, therapeutic and organizational aspects. The aim of the study is to create knowledge and skills for the students' professional behavior towards their responsibilities in cases of disasters. The education prepares health specialists to execute tasks related to measures of medical provision to victims of disasters. The role of the medical specialists during disaster response is of a great importance.

**Course content:**

The aim of the training is to build knowledge and skills for professional attitude of students towards their obligations in case of occurrence of any of the above events. The training prepares health professionals to perform tasks related events for the medical assistance to the injured people as a result of the biological effects of radiation and major chemical accidents, acts of terrorism and wartime environment.

**Teaching and assessment:**

Lectures are conducted in a traditional way with visualization through multimedia audio-visual equipment. Educational films, incentive programs and specialized equipment nomenclature for civil-shield are used. During the exercises various material and technical equipment, multimedia audio-visual system models, case studies, visual aids – personal protective equipment, tables, maps, radiation sensors, gas analyzers, tests and more are used.

**S04085 Nursing Care in Otorhinolaryngology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Drsganova, PhD, Dept. of Health Care, GSM.: +359 885193 003,

E-mail: [ddraganova@uni-ruse.bg](mailto:ddraganova@uni-ruse.bg)**Abstract:**

The aim of the course is to teach general and special nursing care for patients with eye, ear, nose and throat diseases, as well as the specificity in the training of the nurse.

**Course content:**

Basic methods of research in ophthalmology. Special nursing care in patients with inflammatory diseases of the eye and eye injuries. Behavior in an emergency. Preoperative measures and postoperative care of patients with eye surgery. Basic research methods in otorhinolaryngology. Special nursing care for patients with diseases of the pharynx, larynx and the trachea. Preoperative measures and postoperative care of patients in otorhinolaryngology.

**Teaching and assessment:**

The basic form for conducting classes are lectures and practical exercises. Means of training are multimedia, interactive boards, panels, moulages, models, simulated patient, simulated and real hospital environment. There is continuous assessment that is conducted in the form of discourse, didactic tests, case studies and solving problems. Continuous assessment is carried out on every educational and practical training. The final grade is formed after an exam – with a theoretical and practical part.

**S04086 Nursing Care for Patients with Oncology Conditions****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Irinka Hristova, PhD, Dept. of Health Care

E-mail: [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)**Abstract:**

The purpose of the course in Nursing care for patients with oncology conditions is achieving a system of professional knowledge, skills and competencies, connected to nursing care and their specifics in oncology patients. The tasks are: building practical skills for nursing care for oncology patients in different periods of their treatment; pointing basic priorities in individual way of cares according to concrete oncology illness; Putting an accent on elements of communication with a patient and his/her relatives according to specifics and difficult psychological reactions during perceiving an illness by the patient and his/her relatives; establishing manipulative skills and habits, connected with personal hygiene and prophylactic action from everyday life, because of increasing and saving autonomy and repair damaged basic physiological needs.

**Course content:**

Characteristics and specifics of nursing care to oncology patients. Ambulatory study. Nurse's role in carrying out chemotherapy and radiotherapy. Nurse's role in hormonal and immune therapy. Prophylaxis of oncology illnesses. Pain reducing and palliative nurse cares. Character and specifics of nursing care to oncology patient. Ambulatory study. Nurse's role in helping oncology patients for a better socialization and integration in community.

**Teaching and assessment:**

Main forms for classes are lectures and practical exercises. In the method of training standard and situational tasks are put on and solved, case discussion. Educational means are: multimedia, interactive table, boards, machetes, phantoms, simulated patient and real hospital environment, computers. Continuous control is based on discussions, case and situational tasks, independent work in small groups. The final grade is formed after an exam – theoretical and practical.

**S04087 Palliative Nursing Care****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: [gkoleva@uni-ruse.bg](mailto:gkoleva@uni-ruse.bg)**Abstract:**

The purpose of the course is revealing common and special nursing care to terminal patient, as well as its specifics for nurse training. The achieved theoretical and practical knowledge, skills and competencies as a result of the training allows the nurse to perform general and special nursing cares regulated in Ordinance №1/08.02.2011 for professional activities, which nurses can do after doctor's appointment or independently.

**Course content:**

Philosophy of life and death. Definition, basic principles and tasks of palliative cares. Palliative nursing care – similarities and differences from traditional nursing care. Place of palliative care in health care system. Organization and way of work of nurses, caring for incurable patients in the last phase of illness. Special nursing care for terminal patients. Ethic and psychosocial problems of palliative cares. Psychological problems of nurses, working with terminal patients.

**Teaching and assessment:**

Main forms for classes are lectures and practical exercises. Standard and situation tasks and problems are put on during classes, case discussion. Educational means are multimedia, interactive table, boards, simulated patient and real hospital environment, computers. There is continuous assessment during each practical exercise. The final grade is formed after an exam – theoretical and practical, with preliminarily made synopsis.

**S04079 Nursing Care for Mentally Ill Patients****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021,

E-mail: ddraganova@uni-ruse.bg

**Abstract:**

The aim of the discipline is revealing general and special nursing care and its specificity for mentally ill patients. The achieved theoretical and practical knowledge, skills and competencies as a result of the training allows the nurse to perform general and special nursing cares regulated in Ordinance №1/08.02.2011 for professional activities, which nurses can do after doctor's appointment or independently.

**Course content:**

Type of psychiatric examination. Nurse's behavior. Special nursing care for patients with organic and symptomatic mental illness. Special nursing care for patients with schizophrenia. Special nursing care for patients with affective disorders. Special nursing care for patients with neurotic disorders, connected with stress and somatoform disorders. Special nursing care for patients with drug abuse and alcohol disorders. Nurse's behavior in emergency conditions in psychiatry. Special nursing care for suicidal patients. Special nursing care in childhood psychic disorders. Special nursing care for elderly patients with psychic disorders.

**Teaching and assessment:**

Main forms for classes are lectures and practical exercises. Educational means are: talk, discussion, observation, document study, project, practical problem solving. Continuous control is done at each practical exercise through discussions, didactic tests, situational problem solving, independent work in small groups. 100 % attendance at lectures and practical exercises is required. The final grade is formed after an exam – theoretical and practical.

**S04093 Nursing Care for Women in Labour and Newborns****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD, Dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

**Abstract:**

The purpose of the course is to reveal general and special nursing care for a woman in labour and newborns, as well as their specifics in nursing education.

**Course content:**

First cares for newborn in maternity ward. Apgar score. First cares for a newborn in Premature Born Department. Nutrition of a newborn in adaptive period. Breastfeeding of a newborn. High risk and premature newborns, overweight newborns, post-mature newborns, newborns from multifetation. Delivery trauma. Cares for newborn with expressed physiologic conditions. Adaptation syndrome. Special nursing care for newborns with physiologic icterus. Special nurse care for newborns with hemolytic disease. Maternity and childhood protection. Prophylaxis of genetic diseases. Nurse's duties in child consultation.

**Teaching and assessment:**

Main forms for classes are lectures and practicals. The choice of common task for practical exercise is connected with the didactic purpose of the exercise and the choice of individual tasks are connected with specificity of different clinical cases and the principle for individual and differentiated way to any student. Means of education are multimedia, interactive table, tables, miniature models, phantoms, simulated patients, simulated and real hospital environment, computers. 100 % attendance at lectures and practical exercises is requested. The final grade is formed after an exam – theoretical and practical.



**S04088 Clinical Practice VI****ECTS credits:** 10**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: ddraganova@uni-ruse.bg

Assoc. Prof. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

**Abstract:**

The course aims to reveal the need for nursing care for people – healthy or sick and their specificity in various areas of medical services in the practical training of the nurse. To determine the need for general and special nurse cares for patients in medical institutions; to show the necessity of nursing care for hospitalized patients and outpatient care; to acquire knowledge, skills and competencies to prepare the patient tests of various organs and systems; for actively monitoring the patient and participation of nurses in the complex treatment, to care for the patient and in particular love for the profession of nurse.

**Course content:**

Clinical practice follows lectures, preclinical and clinical exercises. It takes place in a real environment in the therapeutic, ophthalmology, otorhinolaryngology department and emergency department of the University Hospital – Ruse, Complex Oncology Centre and Diagnostic Consultative Centre I.

**Teaching and assessment:**

Clinical practice is organized, conducted and supervised by a teacher. The methodology is related to the organization of independent work of the students in a real environment. There is continuous assessment during the practice. The final grade is formed by a theoretical and practical examination.

**SB13600 Nursing Care in Anesthesiology****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

**Abstract:**

Training aims to provide specific profiling knowledge and competencies in narrower professional field of realization such as the work of nurses in the anesthesia department. The tasks of the course are related to the differentiation of duties, responsibilities and activities of the anesthetic nurse; introduction to basic equipment, tools and technical resources; distinction between the types of anesthesia and preparation for its administration; building skills for active monitoring of vital signs during anesthesia; introduction to major groups of medications and their preparation for dosing.

**Course content:**

The role of the nurse in pre-anaesthesiologic consultation. Premedication. Inhalation anesthesia. Monitoring. Opioid analgesics and muscle relaxants. Locoregional anesthesia. RIVA. Types of anesthetics. Intravenous anesthesia. Intravenous anesthetics.

**Teaching and assessment:**

Study sessions are conducted in the form of lectures with application of modern methods: presentation, lecture, discussion, demonstration. Ongoing assessment is conducted in the form of lecture, didactic test, case studies and problem solving. The final exam is written, based on pre-established synopsis. The final grade is based on the exam and ongoing assessment during the semester.

**Weekly classes:** 2lec+0sem+0labs+16ps**Type of exam:** written, practical**Weekly classes:** 3lec+0sem+0labs+0ps**Type of exam:** written

**SB14372 Nursing Activities and Care in Invasive Cardiology****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, E-mail: [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)**Abstract:**

The aim of the course is to reveal the specifics of nursing care in performing diagnostic and therapeutic procedures in the catheterization laboratory for invasive cardiovascular diagnostics.

**Course content:**

The course includes topics from the following areas: working with X-ray, anatomical characteristics of the cardiovascular system, types of access for cardiac catheterization, guides and catheters for cardiac catheterization, balloons and stents for coronary angioplasty, preparation and monitoring the patient during and after cardiac catheterization, nursing preparation for diagnostic procedures and percutaneous coronary intervention.

**Teaching and assessment:**

Study sessions are held in the form of lectures. Computer presentations and multimedia to illustrate training are used during the lectures. Modern interactive methods of training: presentation, discussion, lecture and case studies. The final grade is formed by conducting semester examination on pre-established synopsis which consists of all the studied material.

**Weekly classes:** 3lec+0sem+0labs+0ps**Type of exam:** written**SB14367 Pediatric Otorhinolaryngology****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Dilyana Vicheva, MD, PhD, Dept. of Health Care, GSM: +359 888 223 675,

E-mail: [dilyana@bulgarianrhinologicsociety.org](mailto:dilyana@bulgarianrhinologicsociety.org)**Abstract:**

By studying the discipline of pediatric otolaryngology students receive basic theoretical knowledge about the diseases of the ear, nose and paranasal sinuses, pharynx and larynx. The main objectives of the training are that students will acquire knowledge of the etiology and clinic of the most common ear, head and neck diseases and traumas and develop professional competencies for emergency care in otorhinolaryngology.

**Course content:**

The course includes topics related to the anatomy and physiology of the hearing analyzer; inflammatory, non-inflammatory and traumatic. diseases of the ear, nose and throat; topics on oncological diseases, damage caused by noise, vibrations and electrotractions, foreign bodies, nasal bleeding, post-tonsillectomy haemorrhages, need for prophylaxis of diseases in otorhinolaryngology.

**Teaching and assessment:**

The main form of training is lectures. Teaching is conducted by the following methods: lecture, discussion, discussion, demonstration, observation, video demonstrations. Training tools include boards, models, multimedia, simulator. The students' assessment is done through current control – oral and written tests, didactic tests, and ends with final exam.

**Weekly classes:** 3l+0s+0lab+0p**Type of exam:** written

**SB10043 Pre-graduation Internship****ECTS credits:** 25**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: ddraganova@uni-ruse.bg

Assoc. Prof. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

**Abstract:**

Pre-graduation internship I is an organized educational process, during which students apply acquired knowledge and skills in real clinical conditions (therapeutic, surgical, pediatric, intensive and emergency department). The aim of the course is strengthening the knowledge of medico-biological, clinical and humanitarian disciplines, building and improving of professional skills and competencies.

**Course content:**

Nursing care for patients with somatic, surgical and pediatric diseases, cares for patients in intensive departments with surgical interventions and for patients in emergency departments. Acquaintance with documents and specificity of work organization in corresponding departments.

**Teaching and assessment:**

Undergraduate practice is organized and supervised by an assistant. The main nurse together with the assistant makes work schedules, sets mentors – nurses with specialty of Health care. The main nurse from corresponding department controls the process of fulfilling of assigned tasks, keeping work discipline and instructions for fight with nosocomial infections. Methods include organizing a group for work by giving out common and individual tasks. There is continuous assessment which is carried out by an exam with preliminary determined topical plan. 100% fulfillment of schedule and working off corresponding hours is required. The final mark is based on an exam. A student is admitted to state exam session after finishing successfully the practice in all wards.

**SB10044 Pre-graduation Internship****ECTS credits:** 25**Assessment:** exam**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Despina Georgieva, PhD, Dept. of Health Care, phone: +359889789100, E-mail: dpgeorgieva@uni-ruse.bg

Assoc. Prof. Daniela Konstantinova, PhD, Dept. of Health Care, GSM.: +359 888520021, E-mail: ddraganova@uni-ruse.bg

Assoc. Prof. Prof. Greta Koleva, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: gkoleva@uni-ruse.bg

Sen. Assist. Prof. Irinka Hristova, PhD, Dept. of Health Care, tel. +359 82 888 421, E-mail: ihristova@uni-ruse.bg

Assist. Prof. Teodora Todorova, Dept. of Health Care, tel. +359 82 888 421, E-mail: tetodorova@uni-ruse.bg

**Abstract:**

Pre-graduation internship I is an organized educational process, during which students apply acquired knowledge and skills in real clinical conditions (therapeutic, surgical, pediatric, intensive and emergency department). The aim of the course is strengthening the knowledge of medico-biological, clinical and humanitarian disciplines, building and improving of professional skills and competencies.

**Course content:**

Nursing care for patients with somatic, surgical, neurological, psychic and pediatric diseases. Acquaintance with documents and specificity of work organization in corresponding departments.

**Teaching and assessment:**

Undergraduate practice is organized and supervised by an assistant. The main nurse together with the assistant makes work schedules, sets mentors – nurses with specialty of Health care. The main nurse from corresponding department controls the process of fulfilling of assigned tasks, keeping work discipline and instructions for fight with nosocomial infections. Methods include organizing a group for work by giving out common and individual tasks. Current control is carried out by an exam with preliminary determined topical plan. 100% fulfillment of schedule and working off corresponding hours is required. The final mark is based on an exam. A student is admitted to state exam session after finishing successfully the practice in all compartments.

**SB10045 State exam: Philosophy of Nursing. Theoretical and Practical Foundations of General and Special Nursing Care****ECTS credits:** 3**Weekly classes:** 0lec+0sem+0labs+0ps**Assessment:** exam**Type of exam:** written**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Consultants:**

Assoc. Prof. Despina Georgieva PhD, Dept. of Health Care, tel +359 888520021;

E-mail: dpgeorgieva@uni-ruse.bg;

**Abstract:** The state exam is held before the State Examination Commission appointed by order of the Rector of the University of Ruse, which shall be comprised of no less than three habilitated professors.

The state exam is written and is conducted in two parts, theoretical and practical, on a pre-established synopsis. The synopsis is discussed and approved on a departmental meeting of the Department of Health Care.

**SB10046 State Exam: Internal Diseases and Pharmacology – Nursing Activities and Care****ECTS credits:** 3**Weekly classes:** 0lec+0sem+0labs+0ps**Assessment:** exam**Type of exam:** written**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Consultants:** Assoc. Prof. Dobrin Vasilev, MD, PhD, Dept. of Health Care, tel.: +359 82 888 421,

E-mail: dobrinv@gmail.com

Assoc. Prof. Ognyan Sherbanov, MD, PhD, Dept. of Health Care, tel.: +359 82 502 430,

E-mail: osherbanov@uni-ruse.bg

**Abstract:** The state exam is held before the State Examination Commission appointed by order of the Rector of the University of Ruse, which shall be comprised of no less than three habilitated professors.

The state exam is written and is conducted in two parts, theoretical and practical, on a pre-established synopsis. The synopsis is discussed and approved at a departmental meeting of the Department of Health Care.

**SB10047 State Exam: Surgery and Anesthesiology, Resuscitation and Intensive Care – Nursing Activities and Care****ECTS credits:** 2**Weekly classes:** 0lec+0sem+0labs+0ps**Assessment:** exam**Type of exam:** written**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Consultants:**

Prof. Vladimir Danov, MD, PhD, Dept. of Health Care, GSM: +359 885699622,

E-mail: dherzchirurgie@gmail.com

Assoc. Prof. Theodora Nedeva, MD, PhD, Dept. of Health Care, GSM: +359 887 468 695,

E-mail: tsherbanova@uni-ruse.bg

**Abstract:** The state exam is held before the State Examination Commission appointed by order of the Rector of the University of Ruse, which shall be comprised of no less than three habilitated professors.

The state exam is written and is conducted in two parts, theoretical and practical, on a pre-established synopsis. The synopsis is discussed and approved on a departmental meeting of the Department of Health Care.

**SB10048 State Exam: Social Medicine with Health Promotion and Social and Health legislation****ECTS credits:** 2**Weekly classes:** 0lec+0sem+0labs+0ps**Assessment:** exam**Type of exam:** written**Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Consultants:** Assoc. Prof. Nikola Sabev, MD, DSc, Dept. of Health Care, GSM: +359 887 356 342,

E-mail: nsabev@uni-ruse.bg

**Abstract:** The state exam is held before the State Examination Commission appointed by order of the Rector of the University of Ruse, which shall be comprised of no less than three habilitated professors.

The state exam is written and is conducted in two parts, theoretical and practical, on a pre-established synopsis. The synopsis is discussed and approved at a departmental meeting of the Department of Health Care.

# **SPECIALTY HEALTH CARE MANAGEMENT**

**SPECIALTY INFORMATION PAGE****HEALTH CARE MANAGEMENT**

Academic qualification degree: "**Master's Degree**"

Professional qualification: " **Head of Health Care and Practical Lecturer**" Period:  
**1,5 years (3 semesters)**

Specialty for Master's educational qualification degree in *Management of health care* in the field of *Public Health* is developed in accordance with the institutional strategy for development of the University of Ruse "Angel Kanchev". The mission, goals and tasks of the Faculty of Public Health and Health Care and the training in the specialty *Health Care Management* of the regulated professions are in accordance with national and European regulations. The specialty development perspectives are focused on the training of medical specialists with adequate qualification in terms with the European requirements.

The mission of the Master's educational qualification degree in Health Care Management is to provide highly qualified professionals in a changing social, economic and health environment.

The goals of the specialty are:

- ✓ training of professionals with the necessary knowledge, skills and competencies to hold managerial positions in medical institutions, nurseries, social homes and other medical and social structures. Conducting practical training for students majoring in: *Nurse and Midwife*;
- ✓ formation of skills needed for independent professional work, communication and team interaction in planning, organizing and conducting activities;
- ✓ acquisition of theoretical knowledge, practical skills and competencies for independent activities and teamwork;
- ✓ acquisition of professional competence for assessment, planning and implementation of activities in the field of health care management in medical institutions and in medical and social structures;
- ✓ formation of personal qualities, communication skills, teamwork skills needed for the profession of leader and teacher.

The duration of the training corresponds to Art. 3, item 2 and item 3. of the REGULATION on the unified state requirements for acquiring higher education in the specialty "Health Care Management" for the educational qualification degrees "Master" and "Bachelor" in the professional field "Public Health", Adopted by the Council of Ministers № 215 of 18.08.2006, promulgated, SG, no. 70 of 29.08.2006, in force from the academic year 2006 - 2007, amended, iss. 87 of 7.10.2008

In accordance with regulation, the study duration is 1.5 years, 3 semesters with a duration of 15 weeks for the first and second semester followed by 10 weeks for the third semester for full-time study, and for the part-time form - the minimum number of hours for compulsory subjects is ½ from the provided in the regular curriculum.

The regulation was adopted on the grounds of Art. 177 of the Health Act and Art. 9, para. 3, item 5 of the Higher Education Act, (last amended and supplemented, SG No. 17 of 25 February 2020)

The *Health Care Management* specialty training includes the study of managerial, pedagogical, legal, psychological, and other scientific directions. The disciplines are arranged in a logical sequence and provide the necessary input-output connections both with each other as well as with other disciplines. The study material provides a large amount

of theoretical and factual knowledge in the field of health care management. New advances in healthcare will be achieved through the introduction of appropriate electives and the regular annual holding of seminars, conferences, open days, specialty days, student research forums and competitions at a university and faculty level.

The training in *Health Care Management* provides clearly expected results in the form of knowledge, skills and competencies, according to the criteria set in the National Qualifications Framework of the Republic of Bulgaria, adopted with the decree of the Council of Ministers № 96 / 02.02.2012.

✓ **Knowledge** – after completing the training the students will have a wide range of theoretical and practical knowledge, some of which specialize in the field and build on what was achieved in the previous stage of training;

- know, understand and express theories, concepts, principles and laws;
- have highly specialized practical and theoretical knowledge, can form and implement original new ideas and solutions in the field of Health Care Management.
- can demonstrate a critical awareness of knowledge in the field as well as the relationships between the different fields studied.

✓ **Skills** - the curriculum includes a wide range of special disciplines with practical exercises. The planned hours for practical training allow the formation of practical professional skills in the specialty of *Health Care Management*. The teaching methodology stimulates the mastery of specific professional skills, as well as the formation of skills needed for solving management tasks and cases with different levels of complexity:

- has a wide range of practical and cognitive skills and approaches necessary for understanding abstract problems and developing creative solutions;
- can diagnose and solve problems based on modern research by integrating knowledge from new or interdisciplinary fields, showing the ability to generate new knowledge and procedures related to research and innovation;
- can formulate adequate judgment in situations characterized by incomplete or limited information and unpredictability;
- develops new and diverse skills in response to newly emerging knowledge and practices;
- can freely demonstrate application of innovative methods and tools in solving complex tasks and unforeseen problems in the field of healthcare and teaching of health care;
- finds and maintains arguments in solving problems of interdisciplinary nature;
- Shows initiative in their work and learning in a complex and unpredictable environment, that requires solving problems with many interacting factors.

✓ **Competences** – students majoring in this specialty have the opportunity to develop the following competencies:

• **Independence and responsibility** – the specifics of the training in *Health Care Management* create conditions for building students' skills for integration into organizational structures and teams, as well as to independently carry out activities under the control of a teacher or a representative of the clinical training bases.

- skills to build administrative organizational structures and independently manage teams for solving complex problems in unpredictable environments, with many interacting factors and variable possibilities;

- to show creativity and innovation in project development;

- to initiate processes and organize activities that require a high degree of coherence, to formulate policies and demonstrate leadership qualities needed for their implementation.

• **Learning competencies** – during the course of the training, abilities to assess one's own qualification by assessing the knowledge and skills acquired so far and planning actions

for improving on those qualification are developed. The self-assessment on this indicator is formed mainly during and as a result of pre-diploma internship in a real-life environment. Contacts with the supposed future work environment will serve as a basis for assessment, comparison and forming of a conclusion and in the search for opportunities to develop and expand knowledge. The elective and optional disciplines offered in the curriculum for the Master's degree in *Health Care Management* are one of the ways to provide such opportunities. Another opportunity is provided by the continuation of the training in the offered courses at the Bulgarian Association of Health Care Professionals.

- systematically and thoroughly assess their knowledge and identify needs for new knowledge;

- demonstrates a high degree of independence and can easily navigate through complex learning content, applying their own approaches and methods in order to master it;

- use a variety of methods and techniques for learning complex learning content;

- have a rich conceptual knowledge and shows abilities for conceptual and abstract thinking.

- **Communicative and social competencies** are formed in the students by studying the mandatory and elective courses included in the curriculum, as well as with their active participation in extracurricular student activities. For the formation of communicative competence is essential to train in a number of disciplines included in the curriculum - Applied Psychology, Health Care Management, Methodology of practical training in specialties of the professional field "Health Care", Undergraduate Internship and others. During the training process, students will form competence for organizational communication with the work team and with students studying for a bachelor's degree. Getting students involved in various initiatives of a social nature provides an opportunity to develop communicative, social competencies and personal responsibility. In the process of training, especially when solving individual and team tasks, students develop abilities to formulate and clearly and understandably present unresolved organizational problems, to conduct training for students majoring in Bachelor of *Nursing and Midwifery*, to offer solutions to problems in front of different audiences, including those of different levels of qualification (specialists and non-specialists). Their preparation allows them to express attitude and understanding on issues by using methods based on qualitative, quantitative descriptions and evaluations. Thanks to this, they show an expanded personal worldview and show coherence with the teams in which they work.

- are able to present clearly and accessible their own formulations of problems and possible solutions to a specialized and non-specialized audience, using a wide range of techniques and approaches;

- develop and present argument-based opinions on social processes and practices and justify proposals for their improvement or change.

- **Professional competencies** - mastering the theoretical knowledge and practical skills in the compulsory and elective disciplines develop in the students the responsibility for carrying out independent activities, as well as solving specific tasks in a real situation. The study of the disciplines included in the curriculum, the conduct of an undergraduate internship, the planned joint research projects with employers' representatives, the annual scientific sessions and conferences are all conditions for the development of professional competencies. The training system motivates the building of professional competencies and the ability to express one's own opinion for solving social and moral problems related to the team process and teaching activities.

- to collect, process and interpret specialized information needed to solve complex problems in the field of *Health Care Management*;

- to integrate a wide range of knowledge and information sources in a new and relatively unknown context;

- to make sound judgments and find solutions in a complex environment of diverse



interactions;

- to demonstrate abilities for adequate behavior and interaction in a professional and / or specialized environment;
- to solve problems by integrating complex sources of knowledge, in conditions of insufficient available information, in a new unknown environment;
- to initiate changes and manage development processes in complex conditions;
- to engage in important scientific, social and moral issues arising in the course of work or study.

The educational documentation, that provides the training in the specialty *Health Care Management*, includes qualification characteristics; curriculum for full-time and part-time education; curricula in the disciplines; annual schedule of the educational process; schedule of classes for each semester; calendar plan for conducting classes in each discipline. In the regulations for the activity of University of Ruse "Angel Kanchev" and Procedural rules for approval of the study documentation.

The curriculum was developed in compliance with the Higher Education Act ORDINANCE on the uniform state requirements for acquiring higher education in the specialty *Health Care Management* for the educational qualification degrees "Master" and "Bachelor" in the professional field "Public Health". Adopted by the Council of Ministers № 215 of 18.08.2006, promulgated, SG, no. 70 of 29.08.2006, in force from the academic year 2006 - 2007, amended iss. 87 of 7.10.2008 and the National Qualifications Framework.

The curriculum is a basic document on which the training is based. The aim is to conduct a quality learning process aimed at ensuring the requirements of Art. 6 of the Ordinance on the Unified State Requirements:

- ✓ Comprehensive knowledge of the disciplines that underlie the Department of Nursing;
- ✓ Sufficient knowledge of the nature and ethics of the profession and of the general principles related to health care management and teaching;
- ✓ Appropriate practical experience;
- ✓ Experience working with other medical professionals;
- ✓ Competence for effective collaboration with other medical professionals;
- ✓ Competence for conducting practical training of students majoring in the fields of *Nurse, Midwife, Medical Assistant* and others.;
- ✓ Competence for independent quality assurance and health care assessment;
- ✓ Competence for comprehensive professional communication and cooperation with representatives of other health care system professions;
- ✓ Competence for analyzing the quality of health care in order to improve personal professional practice.

The curriculum is in line with the didactic requirements for the training of the educational qualification degree "Master" in *Health Care Management*, which provide students with: a comprehensive idea of the nature of the professional field and specialty; mastering broad profile theoretical knowledge and practical skills; formation of skills for independent professional work and team work; ability to adapt to changing conditions of professional realization; conditions for educational mobility and international comparability of the acquired knowledge and acquired skills; opportunity to participate in various forms of continuing education, as well as lifelong learning. The curriculum determines the form and duration of training for the respective educational qualification degree, the study sequence of the academic disciplines and the departments responsible for conducting the training of each discipline. The number of hours for lectures, seminars and practical exercises, active forms of education, forms for testing knowledge and the organization of the final training procedure - theoretical state exam or thesis are all specified. It includes a logical sequence of disciplines that build the curriculum. The University of Ruse "Angel Kanchev" has strived

to develop flexible curricula in accordance with the specific and dynamically changing requirements of the professional field.

### **Professional development**

Masters in Health Care Management can accomplish themselves as:

- health managers, health care quality managers and human resources managers in health and medical and social organizations;
- managers of hospices and medical and social facilities in the public and private sector;
- experts in health care in Regional Center for Health, municipal, regional and national health administration;
- experts in the National Health Insurance Fund, the Regional Health Insurance Fund and voluntary health insurance funds;
- Healthcare policy analysts and consultants at various levels in the governmental and non-governmental sector;
- consultants on specific issues in the field of health care;
- Assistant managers for programs for control of nosocomial infections in hospitals;
- hold academic positions in faculties and colleges at universities conducting training in health specialties;

Professional competence will allow Health Care masters to continue their education by: Acquisition of specialization, according to Ordinance № 1 of 22.01.2015 for acquiring a specialty in the health care system Issued by the Minister of Health, promulgated, SG, no. 7 of 27.01.2015 and Ordinance amending and supplementing Ordinance № 1 of 2015 on acquiring a specialty in the healthcare system (promulgated, SG No. 7/2015; amended and supplemented, SG No. 7/2015). 83 of 2015; suppl., Issue 88 of 2016) number: 58, dated 23.7.2019; Acquisition of a scientific and educational degree "Doctor" in "Health Care Management" at the Faculties of Public Health.

**CURRICULUM FOR THE SPECIALTY  
HEALTH CARE MANAGEMENT**

**First year**

<b>Code</b>	<b>First semester</b>	<b>ECTS</b>	<b>Code</b>	<b>Second semester</b>	<b>ECTS</b>
SM15398	Health care management I	5	SM15408	Health care management II	4
SM15399	Fundamentals of law and health legislation	6	SM15409	Andragogy	2
SM15400	Health economics	4	SM15410	Applied Psychology	3
SM15401	Social medicine	4	SM15411	Methodology of Clinical Practice Teaching	4
SM15402	Pedagogy	2	SM15412	Healthcare management	4
SM15403	Medical statistics	3	SM15413	Medical ethics and deontology	4
SM15404	Psychology	2	SM15414	Methodology of research work	2
SM15405	Medical pedagogy	2	SM15415	Organization and ergonomics of work in the health care institution	2
			SM15416	Management History In Healthcare	2
			SM15417	Disaster medicine	2
	<i>Elective courses:</i>			<i>Elective courses:</i>	
SM15406	Time management	2	SM15418	Quality and safety of healthcare	1
SM15407	Digital health	2	SM15419	Innovative Educational Technologies	1
<b>Semester total:</b>		<b>30</b>	<b>Semester total:</b>		<b>30</b>
	<i>Faculty disciplines</i>			<i>Faculty disciplines</i>	
SM15428	Health projects	2	SM15430	<i>Business and ethics</i>	1
SM15428	English language in the medical institution	4	SM15429	English language in the medical institution	4

**Second year**

<b>Code</b>	<b>Third semester</b>	<b>ECTS</b>
SM15420	Health care management III	5
SM15421	Hygiene and ecology of the health establishment	2
SM15422	Health epidemiology	2
SM15423	Undergraduate internship Management of health care	3
SM15424	Undergraduate internship Pedagogy	3
	<i>Faculty disciplines</i>	
SM15431	English language in the medical institution	3
<b>Graduation:</b>		
SM15425	<i>Thesis</i>	15
SM15426	<i>State Examination</i>	
<b>Semester total:</b>		<b>30</b>

**Total for the training course: 90 ECTS credits**

**SM15398 Health care management I****ECTS credits: 5****Knowledge test form: exam****Weekly classes: 3 lectures + 2 practical exercises****Type of exam: written****Methodical guide:**

Assoc. Prof. Daniela Konstantinova Draganova, PhD; Assoc. Prof. G. Koleva, PhD; Ch. Assoc. Prof. I. Hristova, PhD

Department: Health Care

Faculty: Public Health and Health Care

Academic position: Assistant Professor

E-mail: ddraganova@uni-ruse.bg

**Annotation:**

The purpose of the course Healthcare Management I is to acquire new knowledge and technologies that will guarantee the quality and effectiveness of health care and good health outcomes in dynamically changing and growing health needs;

The tasks of the course derive from its purpose and are carried out in the areas related to the specifics in healthcare management, planning and decision making, organizational structure.

**Course content:**

Nursing concept; basic principles of leadership and management in nursing; planning as the first function of management; the decision-making process; organizational structure and culture.

**Teaching and assessment:**

Training is provided in the form of lectures and practical exercises. Methods with interactive orientation are used: presentation, discussion, analysis, independent work in small groups, case studies, situational tasks. Current control is conducted in the form of talks, front-end questions, case studies, situational tasks, independent work in small groups. The final grade is formed by the current control and examination graded in the six-point system, with the minimum level of competence required being "average (3)".

**SM15399 Fundamentals of law and health legislation****ECTS credits: 6****Assessment: exam****Weekly classes: 4lec+2sem+0labs+0ps****Type of exam: written****Department involved:**

Department of Public Law Science

Faculty of Law

**Lecturers:**

Assoc. prof. Emanuil Kolarov, PhD, Dept. of Public Law Science, e-mail: ekolarov@uni-ruse.bg

Ch. Assist. Maria Radeva, PhD, Dept. of Public Law Science, e-mail: mradeva@uni-ruse.bg

**Anotation:**

The course consists of two parts. The topics included in the Fundamentals of Law section are intended to present the main legal terms - normative act, legal norms, subjects of law, legal liability. The health legislation includes concepts that are studied in Administrative Law, Labor and Social Security Law, Insurance Law, Civil Law. The subject of the health legislation are also specific legal relationships in healthcare - the rights of the patient, the establishment and functioning of medical establishments, the regulated professions in healthcare.

**Course content:**

The lecture course includes law acts regulating health insurance system, government policy in the field of health system, the structure of the health system. Course content: structure of the health care system, the legal framework of medical institutions, health information, personal data protection, legal status of the patient, informed consent, involuntary treatment,

**Teaching and assessment:**

Training is conducted in the form of lectures and practical exercises. Lectures in the conventional way, focusing on key issues and highlighting the links in the development of the basic ideas in order to get a general idea of the topic being studied. Students are required active account dialogue. Ability to participate in the discussion, argumentation analysis and making generalizations. The following methods with interactive focus: presentation, lecture, discussion, individual work in small groups, case studies. Funds for training are: multimedia, interactive boards, computers.

**SM15400 Health economics****ECTS credits: 4****Weekly classes: 3L+1s****Assessment: exam****Type of exam: written and oral****Departments involved:**

Department of Medical and clinical diagnostic activities

Faculty of PUBLIC HEALTH AND HEALTHCARE

Lecturers: Prof. Nikola Sabev, , PhD, Department: MEDICAL AND CLINICAL DIAGNOSTIC ACTIVITIES, tel.: 0878 82 32 88 E-mail: [nikola\\_sabeff@abv.bg](mailto:nikola_sabeff@abv.bg)

**Annotation:** The course on Health Economics is based on the importance of the economic theory and practice and aims to aware with the healthcare systems in the world and with the specific features of the healthcare in Bulgaria; acquisition of basic concepts and principles of the contemporary economic theory and market regulation of the healthcare systems; utilization of basic economic knowledge, applicable within the healthcare system. The course Health Economics provides theoretical and practical foundations for the formation of qualified health professionals, adequate to the modern reality, knowing the principles of operation, interaction, financing and supporting of the complex and diverse healthcare system in its various forms of ownership and management – state, municipal, private and mixed. Students acquire knowledge of basic economic formulations, applicable in healthcare; basic economic problems of the healthcare system and the ways for their identification and solving; traditionally used statistical methods in economics and orientation in planning the necessary financing for the medical and healthcare facilities.

**Course content:** Curriculum is in two theoretical sections of 45 lecture hours, as during the first section is studied basic economic concepts, categories and laws relating to the healthcare system, and during the second is covered basic principles of financing and management of healthcare and its functioning in a different social and economic systems. There are also 15 hour's seminars in two main sections (from 7 to 8 hours) logically following the theoretical lecture material.

**Teaching and assessment:** Basic forms for conducting classes are lectures and seminars. Lectures include conversations, active and interactive discussion forums and research of documents. Multimedia presentations and other visual materials are used. The methodology of the seminars include demonstration of a specific problem; solving of model and situational case studies and appropriately selected practical tasks which illustrate and specify the theoretical material. There is a control procedure through written test and interview. 100% attendance of lectures and seminars is required on the subject, successfully coping with the test procedure and participation in the discussions during the seminars. The final mark is formed after successfully passed written exam, interview on the theoretical material, taking in consideration of the results of current monitoring and participation in discussions of seminars exercises.

**SM15401 Social medicine****ECTS credits: 4****Weekly classes: 3 L + 1 s****Assessment: exam****Type of exam: written and oral****Methodical guidance:**

Department of MEDICAL AND CLINICAL DIAGNOSTIC ACTIVITIES

Faculty of PUBLIC HEALTH AND HEALTH CARE

Lecturers: Assoc. prof. Nikola Sabev, MD, DSc, Department: MEDICAL AND CLINICAL DIAGNOSTIC ACTIVITIES, tel.: 0878 82 32 88, E-mail: [nikola\\_sabeff@abv.bg](mailto:nikola_sabeff@abv.bg)

**Annotation:** The training in social medicine focuses on the basics of public health and socio-medical approach, the development of health concepts and its determinants, as well as the most commonly used health-demographic indicators. It emphasizes on the social factors of the health and the disease. It examines the main trends and tendencies in the development of the public health. Students study the organizational principles of health care, types of health systems, sociological studies and their application in the planning of health activities. The general and specific tasks of the medical specialists are trained by identifying the risk factors associated mainly with socially significant diseases.

**Course content:** The curriculum is divided into two sections – 45 lecture hours and 15 hours of seminars respectively. In the first lecture, section there are studied the methods of public health research and evaluation, organization and activity of the health service, characteristics of Health systems. The second one consists of seminars, logically following the lecture theoretical material.

**Teaching and assessment:** Basic forms for teaching are lectures and seminars as during lectures are used talks, active and interactive discussion forms and document research. Multimedia presentations and other visual materials are used. In the methodology of the seminars, the basic forms are related to the demonstration of a particular problem. Typical and situational cases, as well as appropriately selected practical assignments that illustrate and specify the theoretical material are solved. A control procedure is provided through a written test and interview. 100% attendance of lectures and seminars is required, successful management of the control procedure and participation in the discussions during the seminars.

**SM15402 Pedagogy**

**ECTS credits: 2**  
**Assessment: exam**

**Weekly classes: 1lec+0sem+0labs+1p**  
**Type of exam: written**

**Departments involved:**

Department of Pedagogy, Psychology and History  
Faculty of Natural Science and Education

**Lecturers:**

Associate Profe. Desislava Vasileva Stoyanova, MA, PhD. , e-mail: [dstoyanova@uni-ruse.bg](mailto:dstoyanova@uni-ruse.bg)

**Annotation:**

The purpose of the course is to acquaint students with the basic pedagogical, psychological and methodological aspects of characteristics and innovative strategies in the field of pedagogy. The content selection is aimed at the systematic presentation and scientific clarification of theoretical and methodological issues related to the basic parameters of the didactic process and the nature of the main educational phenomena as part of the content of general pedagogy.

**Course content:**

Scientific status of pedagogical science; Modern approaches to training and upbringing; Categorical apparatus of pedagogy; Didactics in the system of scientific knowledge; Actual aspects of the implementation of training principles; Determinants of teaching methods; Basic organizational training forms; Methodological requirements for planning, organizing and carrying out control and evaluation in the learning process; Nature, structure, content and stages of the educational process; Purpose of education; Educational factors - types, specificity and focus of educational influences; Classical principles of education; Contemporary dimensions of upbringing principles; Methods of education - pedagogical conditions for effectiveness; The classic components of content education.

**Teaching and assessment:**

The training is conducted in the form of lectures and practical exercises. The following interactive methods are used: presentation, conversation, discussion, demonstration, independent work in small groups, case studies, situational tasks, role-playing games. The training tools are multimedia, interactive whiteboard, computers.

**SM15403 Medical statistics**

**ECTS credits: 3**  
**Assessment: exam**

**Weekly classes: 2lec+0sem+0labs+1ps**  
**Type of exam: written**

**Departments involved:**

Applied Mathematics and Statistics  
Faculty of Public Health and Health Care.

**Lecturers:**

Prof. Velizar Todorov Pavlov, MSc, PhD, Dept. of Applied Mathematics and Statistics,  
tel.: 888 466, E-mail: [vpavlov@uni-ruse.bg](mailto:vpavlov@uni-ruse.bg)

Pr. Assist. Prof. Maya Markova Stoyanova, MSc, PhD, Dept. of Applied Mathematics and Statistics,  
tel.: 888 424, E-mail: [mmarkova@uni-ruse.bg](mailto:mmarkova@uni-ruse.bg)

**Annotation:**

The discipline aims to provide students with skills in basic statistical methods (descriptive statistics, parametric and non-parametric methods for testing statistical hypotheses, dependency analysis, etc.), which are applied in medicine and health care and to introduce students to medical informatics.

**Course content:**

The course includes elements from probability theory, applied statistics, regression and correlation analysis and introduction in medical informatics.

**Teaching and assessment:**

The training process is organized in lectures and practical classes. During lectures, theoretical issues are presented and illustrated with appropriate exemplary problems derived from the medical practice. During practical classes, students solve problems connected with the practice and requiring application of the mathematical apparatus of the probability theory, as well as mathematical statistics and medical informatics.

**SM15404 Psychology****ECTS credits: 2****Assessment: exam****Department involved:**

Department of Pedagogic, Psychology and History

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Silvia Krushkova, PhD, Dept. of Public Health and Social Work, tel. +359 882517554,

e-mail: [krovshkova@mail.bg](mailto:krovshkova@mail.bg)**Annotation:**

The course aims to acquaint students with the contemporary state of medical psychology, its methodological basis and basic directions: neuropsychology, pathopsychology, psychological basis of the psychotherapy, psychological problems of psychosomatic relations, psychoprofilactics, psychohygiene. Special attention is devoted to anomalies in different processes, principles and methods of medical and psychological research and the practical work of the medical psychologist.

**Course content:**

Introduction to medical psychology. Methods of enquiry. Body, spirit and spirituality. Psychic. Psychic relation between body and illness. Somatogenics, psychogenics, yatrogenics. Psychiatry, pathopsychology, illness and mental disorder. Personality and illness. Medical ethics and medical deontology. Psychology of patient – medical personnel relationship. Scientific research, psychometrics, evaluation, diagnostics and psychodiagnostics. Psychological evaluation and assessment. Didactic tests. Specific developmental disorders. Cognitive dysfunction in children. Psychotherapy as a basic method in medical psychology.

**Teaching and assessment:**

Lectures are carried out mostly frontally using various interactive methods. Continuous assessment is based on self-study for the seminars and participation in discussions. Regular attendance at lectures is required. Final grade is based on written answer on questions.

**SM15405 Medical pedagogy****ECTS credits: 2****Assessment: exam****Weekly classes: 1l+0s+0lab+1p****Type of exam: written, oral****Departments involved:**

Department of Health Care

Faculty of Public Health and Health Care

**Lecturers:**Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: [iserbezova@uni-ruse.bg](mailto:iserbezova@uni-ruse.bg)Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: [ylukanova@uni-ruse.bg](mailto:ylukanova@uni-ruse.bg)Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: [tshristova@uni-ruse.bg](mailto:tshristova@uni-ruse.bg)**Annotation:**

The educational course in Medical Pedagogy aims to widen students' knowledge and focus their attention on specific problems of the educational process in universities, specialised in training future health care leaders and teachers. Thus, they would acquire competences in organizing a contemporary educational process in the field of health care.

**Course content:**

It is based on the status of Medical Pedagogy within the pedagogical science system; normative conditionality of higher education in Health Care in the Republic of Bulgaria is outlined; current approaches within the educational process in higher education institutions; the structural and substantive features of the educational process of health care professionals are thoroughly and particularly disclosed, with an emphasis on goal setting, content, methods, principles, educational forms, and control; didactic systems' notions, techniques and ideas are acquired, which integrate innovative didactic concepts - problematics, computer basing and digitalization of health care education.

**Teaching and assessment:** The educational course is taught in the form of lectures and practical exercises. The methodology is formulated according to the specifics of students' education. Practical exercises are conducted in groups. Interactive techniques are employed. The up-to-date evaluation of students is performed taking students' progress on each lecture and each seminar topic into account. The grade of the up-to-date evaluation is formed by combining the student's engagement during lectures and the fulfillment of specific pedagogical tasks. The final assessment of the student is calculated based on the grades from the frequent up-to-date evaluations and passing a semester exam – in both written and oral form.

**SM15406 Time management**

**ECTS credits:**2  
**Assessment:** exam

**Weekly classes:** 1ec+2sem+0labs+0ps+0,5  
**Type of exam:** written

**Departments involved:**

Health Care Department; Faculty: Faculty of Public Health and Health Care

**Lecturers:**

Chief Assist. Prof. Irinka. Hristova; E-mail: [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)

**Annotation:**

The aim of the course Time Management is to familiarize students with time as a key factor in health care management, to develop skills for self-organization, planning and efficient use of working time.

**Course content:**

Time as a resource. Time optimization and management. Time management - goals and strategies. Time budget. Effective time management - methods and approaches. Mismanagement of Time - Thieves of Time. Time Schedule for time management. Resources and time management tools.

**Teaching and assessment:**

The training is carried out in the form of lectures and seminars. The following interactive methods are used: presentation, conversation, discussion, demonstration, independent work in small groups, case studies, situational tasks, role-playing games. Attending lectures and practical exercises in accordance with the regulations of the University of Rouse is required for certification of the discipline. The final grade is formed after passing the examination - theoretical and practical part.

**M15407 Digital health**

**ECTS credits:** 2  
**Assessment:** exam

**Weekly classes:** 1ec+2sem+0labs+0ps+0,5  
**Type of exam:** written

**Departments involved:**

Informatics and Information Technologies Department  
Faculty of Natural Sciences and Education

**Lecturers:**

Assoc. Prof. Rumen Rusev, PhD, Dept. of Informatics and Information Technologies tel.: 888 754,  
e-mail: [rir@uni-ruse.bg](mailto:rir@uni-ruse.bg)

Pr. Assist. Prof, Kameliq Shoylekova, PhD, Dept. of Informatics and Information Technologies, tel.: 888 214, e-mail: [kshoylekova@uni-ruse.bg](mailto:kshoylekova@uni-ruse.bg)

**Annotation:**

The course aims to deepen students' knowledge in order to acquire key competences and skills that are paramount to their future professional career.

**Course content:**

Electronic health information - basic requirements; Stages of generating and/ or acquiring health information; Epochs of eHealth - historical analysis and characteristics; Electronic Health File - standard for eHealth; EHealth methods and technologies; Difficulties and obstacles to eHealth; Approaches for integrating medical devices for the automatic transfer of diagnostic information into hospital information systems; Methods for statistical processing and visualization of medical results; Information systems in medicine and healthcare - hospital information systems and systems for general practitioners and specialists; Familiarity with the most common hospital information systems and systems for general practitioners and specialists in the region.

**Teaching and assessment:**

The training is carried out in the form of lectures and seminars. The following interactive methods are used: presentation, discussion, discussion, demonstration, independent work in small groups, case studies, reader's theater, situational tasks, role-playing games, virtual laboratory. The training tools are: multimedia, interactive whiteboard, backgammon, simulated hospital environment, computers.



**SM15428 Health projects****ECTS credits: 1****Knowledge test form: exam****Methodical guide:**

Assoc. Prof. Daniela Konstantinova Draganova, PhD

**Department:** Health Care**Faculty:** Public Health and Health Care**Academic position:** Assistant Professor**E-mail:** ddraganova@uni-ruse.bg**Annotation:**

**The purpose** of the course **Health Projects I** is to acquire new knowledge and technologies that will guarantee the quality and effectiveness of health care in dynamically changing and growing health needs; to reveal the specifics of change management through the organizing of health projects. **The tasks** of the course derive from its purpose and are carried out in the thematic areas: Characteristic features of health projects, analysis of the existing situation, priorities and mission of the organization, implementation and evaluation.

**Course content:**

Characteristic features of health projects; Methodology for elaboration of health projects; Analysis and diagnosis of the existing situation; Sources of information; Defining the mission of the organization; Outlining priorities; Setting goals; Evaluation indicators; Project implementation strategy; Evaluation of the project.

**Teaching and assessment:**

Training is provided in the form of lectures. Methods with interactive orientation are used: presentation, discussion, analysis, independent work in small groups, case studies, situational tasks. Current control is conducted in the form of talks, front-end questions, case studies, situational tasks, independent work in small groups. The final grade is formed by the current control and examination graded in the six-point system, with the minimum level of competence required being "average (3)".

**SM15408 Health care management II****ECTS credits: 5****Knowledge test form: exam****Methodical guide:**

Assoc. Prof. Daniela Konstantinova Draganova, PhD

Department: Health Care

Faculty: Public Health and Health Care

Academic position: Assistant Professor

E-mail: ddraganova@uni-ruse.bg

**Annotation:**

The purpose of the course Healthcare Management II is to acquire new knowledge and technologies that will guarantee the quality and effectiveness of health care and good health outcomes in dynamically changing and growing health needs; The tasks of the course derive from its purpose and are carried out in the areas related to the specifics in healthcare management, planning and decision making, organizational structure.

**Course content:**

Management of working groups, Phases in development of the group and team, Communication in management, Conflict management, Leadership and power.

**Teaching and assessment:**

Training is provided in the form of lectures and practical exercises. Methods with interactive orientation are used: presentation, discussion, analysis, independent work in small groups, case studies, situational tasks. Current control is conducted in the form of talks, front-end questions, case studies, situational tasks, independent work in small groups. The final grade is formed by the current control and examination graded in the six-point system, with the minimum level of competence required being "average (3)".

**SM15410 Applied Psychology****ECTS credits: 3****Examination form: examination****Weekly hours: 2l + 1pu****Type of Examination: written theoretical exam****Lecturers:**

Assoc. Prof. Despina Georgieva, PhD

**Department:** Health Care, Faculty: Public Health and Health Care**Academic position** Assoc. ProfessorEmail: [dpgeorgieva@uni-ruse.bg](mailto:dpgeorgieva@uni-ruse.bg)**Annotation:**

The purpose of the course is to familiarize students with the major in Health Care Management with key topics in the field of Applied Psychology. The content of the program is determined by the profile of the master's program. The purpose of the training is to provide skills and competences that will enable the graduates to identify, analyze and solve psychological problems in management. The contents of this program include topics in Medical Psychology, Organizational, Social and Applied Psychology. An important aspect is the formation of competencies for ongoing group processes, the motivation of staff and the resolution of conflicts in the organization. Familiarity with the principles of a holistic approach to health and illness. Acquiring knowledge about the specifics of the psychological aspects of health care and organizational peculiarities in their management.

**Course content:**

The content of the topics covered in the course is aimed at developing knowledge and skills to identify, analyze and solve problems related to health care management. Acquiring competence to manage group processes in the organization, resolve interpersonal and group conflicts. Workplace stress topics and coping strategies are included. Topics related to making changes and overcoming resistance within the group. The practical training is intended for the study and application of group work trainings and techniques, as well as for stimulating creativity in the group. Different types of psychological assessments and studies are planned.

**Teaching and assessment:**

Training is provided through lectures and hands-on exercises. The following interactive methods are used: presentation, conversation, discussion, small group work, case studies, situational tasks and role-playing games. The final mark is from 1 to 6, as minimal wanted level of competence (MWLC) is "middle (3)". It is formed after an exam with preliminarily made synopsis, including whole studied material.

**SM15411 Methodology of Clinical Practice Teaching****ECTS credits: 4****Assessment: exam****Weekly classes: 2ec+0sem+0labs+2ps****Type of exam: written, oral****Departments involved:**

Department of Health Care; Faculty of Public Health and Health Care

Lecturers: Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888 731 063, E-mail: [iserbezova@uni-ruse.bg](mailto:iserbezova@uni-ruse.bg)Sen. Assist. Prof. Yoana Lukanova, PhD, dept. of Health Care, GSM.: +359 885047644, E-mail: [ylukanova@uni-ruse.bg](mailto:ylukanova@uni-ruse.bg)Sen. Assist. Prof. Tsveta Hristova, PhD, dept. of Health Care, GSM.: +359 878389793, E-mail: [tshristova@uni-ruse.bg](mailto:tshristova@uni-ruse.bg)**Annotation:**

The goal of the educational course "Methodology of Clinical Practice Teaching" is to contribute to the development of general theoretical and specific training of the future "health care manager and professor of practice" by studying the patterns, the path, forms, methods and means of training, schooling and development in the process of studying the discipline. This way, future experts will be facilitated in carrying out the overall planning, organization and conduct of practical classes and pre-graduate internships.

**Course content:**

The methodical requirements for planning, organizing and delivering practical training at the higher educational institution for health care experts training are considered a wholesome process by paying attention to each of its components: learning objectives; selection and structuring of the educational content; development and application of different methods and techniques; planning, organizing and conducting the main organizational forms for practical training; types of evaluation control; organizing students' independent tasks.

**Teaching and assessment:**

The training course is carried out in the form of lectures and practical exercises. The following interactive methods are employed: presentation, conversation, discussion, and demonstration, independent tasks in small groups, case studies, reading theater, situational tasks, role-play, and virtual laboratory. The discipline is concluded with a written exam and an oral presentation of methodical elaboration of a practical class.

**SM 15412 Healthcare management**

**ECTS credits: 4**  
**Assessment: exam**

**Weekly classes: 1lec+2sem+0labs+0ps+0,5**  
**Type of exam: written**

**Departments involved:**

Dept. of Management and Business Development, Faculty of Business and Management

Lecturers: Assoc. Prof. Svilena Ruskova, PhD, Department of Management and Business Development, tel: +359 888-617

E-mail: [sruskova@uni-ruse.bg](mailto:sruskova@uni-ruse.bg)

**Annotation:**

The course aims to provide students with some basic managerial skills and expertise. The teaching material is designed in accordance with the students' aspirations of getting theoretical knowledge in the field of management. Theories and methods for planning, organizing, leading, management control, management of conflicts, stress and the change are introduced in the course. Students acquire practical approach to decision making. They analyze and review case studies to develop practical skills for their future career.

**Course content:**

The course includes the following topics: Organizational concept; Management effects and Subject of management; Management decision, Management of conflicts, stress and the change.

**Teaching and assessment:**

The teaching process of the course, along with the classic lecture forms, provides for the use of visual aids. During the seminars are used tests, discussions, debates, situation games are used. Most of the submitted material is supported by appropriate examples. The overall evaluation is built on exam grade and the student's activity during the learning process.

**SM15413 Medical ethics and deontology**

**ECTS credits: 4**  
**Knowledge test form: exam**

**Weekly classes: 2 lectures + 2 practical exercises**  
**Type of exam: written**

**Methodical guide:**

**Department:** Health Care

**Faculty:** Public Health and Health Care

Lecturer: Assistant PhD Professor Nikolina Angelova – **department** Health Care, phone: +359888747347,

E-mail: [nangelova@uni-ruse.bg](mailto:nangelova@uni-ruse.bg)

**Annotation:**

The course in **Medical Ethics and Deontology** is to familiarize students with the main problems in medical ethics and deontology, to help develop ethical sensitivity in the process of their activity and to prepare them for taking management decisions in accordance with legal rules.

**Course content:**

Knowing the essence and mastering the principles of medical ethics and medical deontology; Mastering the principles of medical ethics; Knowing the patient's rights and identifying violations of their rights; Defining responsibility for professional medical activity and medical offenses; Knowing ethical and deontological issues related to reproductive behavior and new reproductive technologies; Developing ethical sensitivity to problems in the care of terminally ill patients; Discussion of health resource allocation issues.

**Teaching and assessment:**

Training is provided in the form of lectures and practical exercises. The methodology of work is in accordance with the specifics of students' training. Practical exercises are conducted in groups. Interactive techniques are used. Current control is carried out on the student's work on each of the lecture and seminar topics. The assessment from the current control is formed by the student's work in the classes and the fulfillment of specific pedagogical tasks. The final grade of the student is formed on the basis of the grades from the current control and the passed semester exam - written and oral.

**SM15414 Methodology of research work**

**ECTS credits:**2  
**Assessment:** exam

**Weekly classes:** 1ec+2sem+0labs+0ps+0,5  
**Type of exam:** written

**Departments involved:**

Department: Health Care

Faculty: Public Health and Health Care

**Lecturers:**

Assoc. Prof. G. Koleva, PhD; Ch. Assoc. Prof. I. Hristova, PhD

E-mail: [gkoleva@uni-ruse.bg](mailto:gkoleva@uni-ruse.bg); [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)

**Annotation:**

The course aims to provide students with knowledge of the nature, content, stages and forms of research, the methodology for pursuing them in the field of health care, and research attitudes.

**Course content:**

Choosing a research topic. Structure of research and publications. Collection of data for literature review. Types of studies - descriptive and analytical. Reporting the results of scientific studies. Quotations. Types of citation systems. Design of bibliography

Quotations. Ethical requirements for studies.

**Teaching and assessment:**

The training is conducted in the form of lectures. The following interactive methods are used: presentation, conversation, discussion, demonstration, case studies, situational tasks.

**SM15415 Organization and ergonomics of work in the health care institution**

**ECTS credits:**  
**Assessment:** exam

**Weekly classes:** 2 lectures  
**Type of exam:** written

**Departments involved:**

Management and Business Development Dept., Faculty: Business and Management

Lecturers: Sen. assist. I. Kostadinova, PhD, MBR Dept., Business and Management Faculty, contacts 00359 878 102269, E-mail: [ikostadinova@uni-ruse.bg](mailto:ikostadinova@uni-ruse.bg)

**Annotation:**

The goal of the course "Organization and ergonomics of work in a health care institution" is to give students training in occupational health and safety by adapting working conditions to the individual and improving the organization in the health care facility. The main task of the discipline is related to the complex optimization of the universal ergonomic system (man – equipment - environment).

**Course content:**

The course covers some of the most important issues of ergonomics and organization in a health care facility; upon its successful completion, students should be familiar with classical and contemporary concepts of the importance of medical work, different methods and organization of work to improve the efficiency of the health care facility; methods that make a person's work highly productive and, at the same time, provide comfort and safety to the worker, preserve his health, support his personal, professional and physical development.

**Teaching and assessment:**

The course is taught through lectures and supervised extracurricular work. Semester certification requires 100% attendance of lectures and active participation during their duration. A successful cooperation between students and a lecturer, which consists in utilizing the previously announced consulting hours, individual work with distinguished students.

**SM15416 Management History In Healthcare****ECTS credits: 2****Knowledge test form: exam****Methodical guide:**

Assoc. Prof .Nikolina Angelova, Phd

Assoc. Prof .Daniela Konstantinova Draganova, Phd

Department: Health Care

Faculty: Public Health and Health Care

Academic position: Assistant Professor

E-mail: [nangelova@uni-ruse.bg](mailto:nangelova@uni-ruse.bg) [ddraganova@uni-ruse.bg](mailto:ddraganova@uni-ruse.bg)**Weekly classes: 2 lectures****Type of exam: written****Annotation:**

The purpose of the course is to give an overview of the development of the health care professions, based on the understanding that history must be studied in order to better understand any science. The history of health care studies ancient medicine, the accumulation of new knowledge. The objectives of the course derive from its purpose and are implemented in the thematic areas Health and Health Care through the Ages, Schools in Antiquity, the Middle Ages and the Renaissance, European Health and Health Care in the XX Century - Scientific Discoveries, Nursing Development in Bulgaria and management theory and health care management in the context of different healthcare systems.

**Course content:**

Sources of historical knowledge. Health care over the centuries. In ancient times it was a health and disease. Health care in Ancient Greece. Health care in Ancient Rome, Middle Ages in China, Byzantium and the Arab Caliphates; in Western Europe and Bulgaria. Nursing and health care development in Bulgaria. Management development in healthcare. Occurrence and historical development of professional healthcare organizations in the world. The role of professional organizations in health care management.

**Teaching and assessment:**

Training is provided in the form of lectures. Methods with interactive orientation are used: presentation, discussion, analysis, independent work in small groups, case studies, situational tasks. Current control is conducted in the form of talks, front-end questions, case studies, situational tasks, independent work in small groups. The final grade is formed by the current control and examination graded in the six-point system, with the minimum level of competence required being "average (3)".

**SM15417 Disaster medicine****ECTS credits:2****Assessment: exam****Departments involved:**

Department: Health Care

Faculty: Public Health and Health Care

Lecturers:

Prof. Dr. Hr. Bozov, dm

E-mail: [hr\\_bozov@yahoo.com](mailto:hr_bozov@yahoo.com)**Weekly classes: 1ec+2sem+0labs+0ps+0,5****Type of exam: written****Annotation:**

The discipline "Medicine of Disaster Situations" studies issues related to the specificity of the problems of mass medicine in cases of natural and man-made disasters, accidents and catastrophes in clinical, therapeutic and organizational terms. The purpose of the training is to build knowledge and skills for students' professional attitude towards their duties in the event of any of the above events.

**Course content:**

General characteristics of disasters. Radioactivity. Limit values for radioactive contamination. Radioactive background. Acute radiation syndrome, radiation sickness, radiation burns, Toxic substances with neuro-paralytic activity. Poisonous substances with suffocating action. Sanitary-chemical treatment and expertise of food and drinking water. Basic principles and organization of medical support in emergency situations. Events eradication of biological contamination.

**Teaching and assessment:**

The lectures are conducted according to the classical scheme with visualization by means of multimedia audio-visual means. They use educational films, incentive programs and specialized equipment from the nomenclature of civil protection.

**SM 15418 Quality and safety of healthcare****ECTS credits: 1****Weekly hours: 11****Examination form: examination****Type of Examination: written theoretical exam****Lecturers:**

Assoc. Prof. Despina Georgieva, PhD

**Department:**

Health Care, Faculty: Public Health and Health Care

**Academic position** Assoc. Professor

Email: dpgeorgieva@uni-ruse.bg

**Annotation:**

The purpose of the course is to introduce students to from specialty Healthcare Management with basic trends in the quality and safety of health care. The main goal of medical establishments is to constantly improve the quality of healthcare. Worldwide discussion of patient safety issues is related to the organization of appointments, the adoption of declarations, laws, programs, guidelines and safety practice protocols. Patient safety involves various aspects at three levels: health policy, organizational and clinical practice.

**Course content:**

The content of the program is determined by the profile of the master's program. The purpose of the training is to provide skills and competences that will enable graduates to identify, analyze and solve problems related to the safety and quality of healthcare. Acquiring knowledge and skills to apply different approaches to improving the quality and safety of healthcare. Familiarity with safety regulations, standards, and ISO reduction. Defining the significant role of the health care manager in improving the quality and safety of patients.

**Teaching and assessment:**

The training is conducted through lectures. The following interactive methods are used: presentation, conversation, discussion, small group work, case studies, situational tasks and role-playing games.

**SM 15419 Innovative Educational Technologies****ECTS credits: 1****Weekly classes: 1ec+2sem+0labs+0ps+0,5****Assessment: exam****Type of exam: written**

Departments involved:

Department of Health Care

Faculty of Public Health and Health Care

Lecturers:

Prof. Ivanichka Serbezova, PhD, dept. of Health Care, GSM: +359 888731063, E-mail: iserbezova@uni-ruse.bg

**Annotation:**

The purpose of the Innovative Educational Technologies course is to go beyond the concept of traditionally employed pedagogical methods and to draw attention towards new, modern health care teaching practices which have enormous potential. Tasks include: Stimulating the teacher – student interaction; Provoking students' interest in actual knowledge and overcoming the formal approach in teaching; Clarifying terms and basic concepts used in the educational process of health care professionals, related to digital resources.

**Course content:**

A general idea of educational technology. Characteristic features of innovative educational technologies; Characteristics of the digital generation. The education system and the digital generation; National and European programs and projects for innovative educational technologies; Traditional education; Virtual learning environments; E-learning, mobile and ubiquitous education; Ontodidactic characteristics for educational content selection; Perspectives in educational innovations; Obstacles to innovations.

**Teaching and assessment:**

The training is conducted in the form of lectures. The following interactive methods are employed: presentation, conversation, discussion, demonstration, independent tasks in small groups, case studies, situational tasks, role-play, virtual laboratory. The exam is in written form, followed by oral presentation of a set topic.

**SM15420 Health care management III****ECTS credits: 5****Knowledge test form: exam****Weekly classes: 4 lectures + 3.5 practical exercises****Type of exam: written****Methodical guide:**

Assoc. prof. Daniela Konstantinova Draganova, PhD; Assoc. prof. G. Koleva, PhD; Ch. Assoc. prof. I. Hristova, PhD

Department: Health Care

Faculty: Public Health and Health Care

Academic position: Assistant Professor

E-mail: ddraganova@uni-ruse.bg

**Annotation:**

The purpose of the course Healthcare Management II is to acquire new knowledge and technologies that will guarantee the quality and effectiveness of health care and good health outcomes in dynamically changing and growing health needs; The tasks of the course derive from its purpose and are carried out in the areas related to the specifics in healthcare management, planning and decision making, organizational structure.

**Course content:**

Human Resource Management, Motivation as a Nursing Management Process, Effective Material Management, Control as a Function of Nursing Management, Approaches to Ensuring Quality and Continuing Nursing Care, Staff Performance Evaluation, Health Policy, development of health projects.

**Teaching and assessment:**

Training is provided in the form of lectures and practical exercises. Methods with interactive orientation are used: presentation, discussion, analysis, independent work in small groups, case studies, situational tasks. Current control is conducted in the form of talks, front-end questions, case studies, situational tasks, independent work in small groups. The final grade is formed by the current control and examination graded in the six-point system, with the minimum level of competence required being "average (3)".

**SM15421 Hygiene and ecology of the health establishment****ECTS credits: 2****Assessment: exam****Weekly classes: 2 lec+1sem****Type of exam: written****Departments involved:**

Heat, hydraulics and environmental engineering

Faculty:

Agrarian and Industrial

Lecturers: Assoc. Prof. PhD. Margaritka Filipova, Agrarian-industrial faculty Tel: 082888418, e-mail: mfilipova@uni-ruse.bg

**Annotation:**

The main objective of the training in the discipline Hygiene and ecology of the medical establishment is to acquire theoretical and practical knowledge on the hygiene requirements related to the influence of environmental factors on human health, health of health workers and especially the specific environment in medical establishments.

**Course content:**

The content of the curriculum includes the following modules: Hygiene and environmental standardization of environmental factors; health prevention and hygiene; Pollution characteristics of environmental components; Health norms and requirements for medical establishments; medical waste management; disinfection and sterilization in medical establishments; hygienic and environmental assessment and analysis of physical and chemical factors in medical establishments.

**Teaching and assessment:**

The main forms for conducting the classes are lectures and seminars.

The lectures are held in an audience equipped with visualization tools. The seminars are held immediately after the relevant lecture topic. Tests are conducted to verify and evaluate the teaching content of the lectures. The test and the students' participation in the seminars form an assessment of the current control. The final grade in the discipline is formed after passing the written exam.

**SM15422 Health epidemiology****ECTS credits: 2****Assessment: exam****Weekly classes: 3L****Type of exam: written and oral****Methodical guidance:**

Department of HEALTH CARE, Faculty of PUBLIC HEALTH AND HEALTH CARE

**Lecturers:**Assoc. prof. Mircho Vukov, MD, tel: 028738239, E-mail: [mivukov@gmail.com](mailto:mivukov@gmail.com)**Annotation:**

The course in Health Epidemiology is related to the growing role and importance of the contemporary epidemiology for public health and medicine in the context of evidence-based approaches. The epidemiology and biostatistics are considered the scientific basis of the public health and the evidence-based approaches against the background of the tendency of medical sciences and medical practice to increasingly use quantitative methods to generate data from current high-tech medical equipment. The course introduces to the students the concepts of the subject area and methodology of epidemiological studies, their specific plans, the measurement of epidemiological events, the concepts and methods of biostatistics necessary for processing epidemiological data, interpretation of the results and their presentation to a wider audience and put them into practice. It provides the necessary knowledge and skills for a good understanding of the publications in the medical journals and of the educational and applied medical literature.

**Course content:**

The curriculum includes 15 topics an average of 2 hours per topic.

**Teaching and assessment:**

The main forms for conducting the classes are lectures, they also consider appropriate practical examples, seminars using adequate quantitative methods, and interpretation of the results. Mainly, multimedia presentations are used.

**SM15423 Undergraduateinternship Management ofhealth care****ECTS credits:3****Assessment:exam****Weekly classes: 0 ec+0sem+0labs+0ps+6 p ex****Type of exam:practically****Departments involved:**

Department: Health Care

Faculty: Public Health and Health Care

**Lecturers:**

Asoc. Prof. Despina Georgieva, PhD; Assoc. Prof. Daniela Konstantinova, PhD; Assist. Prof.Greta Koleva, PhD;

Assist. Prof Irinka HristovaPhD;

E-mail: [dpgeorgieva@uni-ruse.bg](mailto:dpgeorgieva@uni-ruse.bg); [ddraganova@uni-ruse.bg](mailto:ddraganova@uni-ruse.bg); [gkoleva@uni-ruse.bg](mailto:gkoleva@uni-ruse.bg); [ihristova@uni-ruse.bg](mailto:ihristova@uni-ruse.bg)**Annotation:**

The pre-diploma internship aims to provide high professional training of students in the field of the studied specialty, to strengthen the acquired practical knowledge and skills during the training, to contribute to the development of practical training and competences for independent solving of organizational and managerial professional tasks that are essential for the exercise of the position of Head of Health Care.

**Course content:**

Acquaintance with the normative documents of the medical establishment. Familiarize yourself with approaches to controlling and motivating nursing staff - developing a system of incentives and penalties. Familiarity with models, techniques and approaches to conflict resolution. Development of nursing documentation. Acquainted with approaches and methods for staff performance evaluation, ward / clinic activity planning. Choosing a problem and proposing a solution by developing: Health care file, Technical datasheet, Care protocol, Timing and more funds.

**Teaching and assessment:**

The trainee is acquainted with the base, staff and organization of work. Introduces himself to the work team and clarifies his specific task. In the next stage of training, the trainee acquires managerial skills and competence to plan and organize health care under the guidance of the senior nurse. The planned activities also include 6 hours work with the head nurse of the medical establishment.



**SM15424 Undergraduate internship Pedagogy****ECTS credits:**3

Assessment: exam

Weekly classes: 0 ec+0sem+0labs+0ps+6 p ex

Type of exam: practically

**Departments involved:**

Department: Health Care

Faculty: Public Health and Health Care

**Lecturers:**

Prof. Ivanichka Serbezova, PhD; Asoc. Prof. Despina Georgieva, PhD;

Email: [iserbezova@uni-ruse.bg](mailto:iserbezova@uni-ruse.bg); [dpgeorgieva@uni-ruse.bg](mailto:dpgeorgieva@uni-ruse.bg)**Annotation:**

The aim of the undergraduate internship is to provide high professional training of students in the field of the studied specialty, to consolidate the practical knowledge and skills acquired during the training, to contribute to the development of practical training and competences for independent lectures, practical exercises and clinical practice of the Nursing and Midwifery majors. The objectives of the discipline are derived from the objective and are aimed at developing professional pedagogical skills and competences in the field of medical pedagogy and methodology of health care training.

**Course content:**

Familiarity with the basic training documentation for organizing, conducting and controlling the learning process. Regulatory documents concerning the teaching of the Nursing / Midwife specialties. Development of methodological development for conducting Clinical practice and training practical training for the specialties Nurse / Midwife. Getting acquainted with the organization and conducting of a pre-graduate internship. Development of dosimological tools for assessment of knowledge, skills and competences - didactic tests, protocols for assessment of skills, case studies.

**Teaching and assessment:**

Students work in a real-world learning environment under the tutelage of a healthcare teacher. They keep a Trainee's Diary. It reflects the activities they have to perform, a qualitative clinical mentor assessment and a practical exam. The training ends with a practical.

**Erasmus  
ECTS  
Information Package**

**UNDERGRADUATE  
STUDIES  
IN  
*PHYSIOTHERAPY***

**PROFESSIONAL STANDARDS  
OF A BACHELOR IN  
PHYSIOTHERAPY**

Educational degree: **Bachelor**  
Professional qualification: **Physiotherapist**  
Duration of study: **4 years (8 semesters)**

**The degree course in physiotherapy is a regulated profession from the professional field of Public Health.**

A physiotherapy acquires higher education after successful completion of an accredited higher education institution on the territory of the Republic of Bulgaria or the EU.

**The educational aim** of the program in Kinesitherapy is to train highly qualified professionals, competent to perform functional diagnostics, preventive, therapeutic and rehabilitation activities by applying motor activity in all ages and professional groups, including health education, promotion of healthy lifestyle and sports. The education course provides acquiring of skills in the following fields:

- **Basic** – communication skills, foreign language and computing knowledge, ability to effectively estimate the patients' functional capacity based on the clinical way of thinking, using of informational technologies, ability to work in a team and to continuously improve one's professional skills.
- **Knowledge in fundamental sciences** – biological, physical, humanitarian and clinical.
- **Special professional skills** – performing of functional examination and evaluation, safe and effective application of the physiotherapeutic theory and methods for different pathological conditions, developing and application of a complete physiotherapeutic program and results registration, performance of physiotherapeutic procedures assigned by a specialist doctor.
- **Knowledge of current situation** – health system, ethical, moral and legal regulations, the part of the other professionals included in the multidisciplinary team and physiotherapy.

The **curriculum** has been developed according to the Unified national requirements for acquiring of university education in Physiotherapy and the “bachelor” educational level, the Bologna Declaration and the European Credit, Transfer and Accumulation System (ECTS). The education course includes obligatory, optional and facultative disciplines.

The obligatory sciences are united in the following modules:

- Fundamental humanitarian sciences, physical education and sports – they form knowledge and skills of students to make a full social contact with patients, to analyze and use specialized information, to professionally improve and mentally influence by studying of Medical Psychology and Medical Pedagogic, Theory and Methods of Physical Education, Computing, Analysis and Modelling of Motions, Basics of the Research Work with Medical Statistics, Physical Activity and Sports Related to Human Health, Adapted Physical Activity for Disabled People.
- Fundamental medical – biological sciences – they provide the theoretical basis of the specialized training. This module includes the following: Anatomy, Biophysics, Biochemistry, Physiology, Hygiene, Disastrous Situations Management, and Latin with Medical Terminology.
- Clinical sciences – they provide knowledge for the basic pathological processes and conditions regarding the physiotherapeutic intervention: Pathology, Orthopedics and Traumatology, Internal Diseases, Pediatric Diseases, Neurological and Psychic Diseases.
- Special sciences – they integrate the knowledge for structural – functional disorders with the entire therapeutic access and the special application of the physiotherapeutic methods for different diseases in particular. These include Biomechanics and Kinesiology, Pathological Biomechanics and Pathological Kinesiology, Basics of Physiotherapy, Devices and Methods, Patient Care, Social Medicine, Medical Ethics and Health Legislation, Functional and Visual

Diagnostics of the Muscular – Skeletal System, Pharmacology, Physiotherapy in Orthopedics and Traumatology with Orthotics and Prosthetics, Physiotherapy in Internal Diseases, Physiotherapy in Neurological and Psychic Diseases, Physiotherapy in Surgery, Obstetrics and Gynecology, Physiotherapy in Pediatrics, Physiotherapy in Geriatrics, Physiotherapy and Rehabilitation, Massage.

**The optional and facultative sciences** provide the opportunity to acquire specific knowledge and skills depending on the students' interests.

**The Practical Skills are trained through:**

- Clinical practice – 1305 hours (from the 1<sup>st</sup> until the 7<sup>th</sup> term).
- Summer Clinical Practice – 380 hours (4 weeks after the 2<sup>th</sup> and 6<sup>th</sup> term).
- Pre – graduation internship – 810 hours (15 weeks during the 8<sup>th</sup> term).

**Graduation alternatives:**

- 1.1. State Exam on the Bases and Means of Physiotherapy and Their Application in Various Diseases and Impairments – Practice
- 1.2. State Exam on the Bases and Means of Physiotherapy and Their Application in Various Diseases and Impairments – Theory

**Career prospects:**

The specialists with professional qualification “physiotherapist” and education degree “bachelor” can perform prevention, therapy and rehabilitation in state and private hospitals, rehabilitation centers, sanatoriums, climatic schools, hotels, health resorts, fitness centers, sports dispensaries, professional health centers, professional and amateur sport clubs, schools' sport bases and centers.

**CURRICULUM OF  
PHYSIOTHERAPY**

<b>FIRST YEAR</b>					
<b>Code</b>	<b>First term</b>	<b>ECTS</b>	<b>Code</b>	<b>Second term</b>	<b>ECTS</b>
SB00537	Human Anatomy I	5	SB16701	Human Anatomy II	4
SB10807	Biochemistry	2	SB10821	Pathological anatomy	2
SB10808	Biomechanic and Biophysic	5	SB10820	Physiology	3
SB10809	Latin Language with Medical Terminology	2	SB10822	Basics Kinesiology of Physiotherapy	2
SB10810	Medical Ethic and Deontology	2	SB10823	General Methods for Functional Testing and Evaluation in Physiotherapy	4
SB10811	Medical Psychology	2	SB10824	Therapeutical Bases and Means of Physiotherapy I	4
SB10812	Theory and Methodology of Physical Education and Sport Training	1	SB10826	First Aid Equipment	1
SB16700	Fieldwork I	9	SB10827	Fieldwork II	9
SB10814	Basic Gymnastics	1		<b>Selective Course II</b>	
	<b>Selective Course I</b>				
SB10815	English	2	SB10863	Health education	1
SB10816	German	2	SB10837	Radiology	1
SB10817	French	2	SB10838	Basics of pharmacology and phytotherapy	1
SB10818	Russian	2			
	<b>Total for the term:</b>	<b>30</b>		<b>Total for the term:</b>	<b>30</b>
	<b>Facultative course</b>	<b>4</b>	S00072	<i>Physical education and sport</i>	<b>1</b>
	Foreign Language		SB10828	<i>Clinical Placement I</i>	<b>3</b>
				<b>Facultative course</b> (list enclosed)	<b>4</b>

<b>SECOND YEAR</b>					
<b>Code</b>	<b>Third term</b>	<b>ECTS</b>	<b>Code</b>	<b>Fourth term</b>	<b>ECTS</b>
SB10830	Pathophysiology	2	SB10840	Massage II	4
SB10831	Pathokinesiology - Functional Analysis and Evaluation	4	SB10841	Orthopedics and Traumatology with Orthotics and Prosthetics	5
S03964	Massage I	4	SB10842	Physiotherapy in Orthopedics and Traumatology I	3
SB10833	Therapeutic Bases and Means of Physiotherapy II	2	SB10843	Natural, Preformed Physical Factors and Balneology II	4
SB10834	Natural, Preformed Physical Factors and Balneology I	6	SB10840	Manual Mobilization Techniques of Peripheral Joints	3
SB10845	Fieldwork III	11	SB16705	Fieldwork IV	11
SB10876	Sport for all	1			
S00072	Physical education and sport	1			
	<b>Total for the term:</b>	<b>30</b>		<b>Total for the term:</b>	<b>30</b>
S00072	<i>Physical education and sport</i>	<b>1</b>	S00072	<i>Physical education and sport</i>	<b>1</b>
	<b>Facultative course</b>	<b>1</b>	SB10846	<i>Clinical Placement II</i>	<b>4</b>
SB15339	Informatic	1	SB10055	<b>Facultative course</b>	<b>1</b>
SB10081	Medical statistic	1	SB10081	Informatic	1
				Medical statistic	1

<b>THIRD YEAR</b>					
<b>Code</b>	<b>Fifth term</b>	<b>ECTS</b>	<b>Code</b>	<b>Sixth term</b>	<b>ECTS</b>
SB10849	Internal Diseases	4	SB10856	Neurology	4
SB10850	Physiotherapy of Internal Diseases	5	SB10857	Physiotherapy in Neurological and Mental Diseases I	4
SB14474	Physiotherapy in Orthopedics and Traumatology II	3	SB10848	Massage III	3
SB10874	Muscle Techniques and Mobilization of Peripheral Nerves	2	SB16751	Adapted Physical Activity	2
SB10875	Social Medicine, Social Rehabilitation and Health Promotion	2	SB10825	Occupational Therapy	2
SB10858	Physiotherapy in Surgery	3	SB10844	Hygiene and Ecology	1
SB16706	Fieldwork V	11	SB10877	Fieldwork VI <b>Selective Course III</b>	12
			SB10864	Eastern Therapeutical Techniques	2
			SB16708	Aids and Technologies	2
			SB10863	Techniques for Transfer and Positioning	2
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
	<b>Facultative course</b>	<b>1</b>	SB10846	<i>Clinical Placement III</i>	<b>5</b>
S00072	Sport	1	S00072	<b>Facultative course</b> Sport	<b>1</b>
SB10854	Ecology and Environmental Protection	1	SB10876	Introductions to the Solution-Focused Approach	1
SB10855	European and National Health Legislation	1	SB10868	Public Relation	1

<b>FOURTH YEAR</b>					
<b>Code</b>	<b>Seventh term</b>	<b>ECTS</b>	<b>Code</b>	<b>Eight term</b>	<b>ECTS</b>
SB10869	Physiotherapy in Neurological and Mental Diseases II	4			
S03995	Pediatrics	2	SB10883	Clinical Undergraduate Internship	20
SB10871	Physiotherapy in Pediatrics	4	S00175	Self Preparation for Graduation	
SB10861	Basics of Research Work	2			
SB10873	Physiotherapy in Geriatrics	1		<b>Options for Graduation</b>	
				State exam on the bases and means of physiotherapy and their application in various diseases and disability – Practise	5
SB10859	Physiotherapy in Obstetrics and Gynecology	2	SB10844		
SB10860	Social and Health Legislation	1			
SB10860	Fieldwork VII	12			
	<b>Selective Course IV</b>		SB10845	State exam on the bases and means of physiotherapy and their application in various diseases and disability - Theory	5
SB10878	Neurophysiology Physiotherapeutic Methods	2			
SB10879	Basics of Sport Medicine	2			
SB16710	Corrective Gymnastic	2			
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
	<b>Facultative course</b>	<b>1</b>			
S00072	Sport	1			
SB10881	Information Systems in Medicine and Healthcare	1			
SB10882	Audiovisual and Information Technology	1			

**Total for the course of study: 240 ECTS credits**

**S 00537 Human Anatomy I****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health

**Lecturers:**

Assoc. prof. Dimitar Georgiev Stavrev MD, PhD, Dept. of Public Health

tel.: + 359 82 +359 82821993, e-mail: morskamedicina@abv.bg

Vanya Dacheva, Dept. of Medical and Clinical Diagnostic Activities

tel.: +359 82 821 993, E-mail: vdacheva@uni-ruse.bg

**Abstract:**

The aim of the training Anatomy of the students of Physiotherapy is to obtain basic knowledge about the structure of the human body. The teaching is in a functional aspect and with a clinical focus. In view of the qualification characteristics of the specialty, the weight of the training in anatomy part I covers the knowledge of the structure and biomechanics of the human musculoskeletal system.

**Course content:**

Subject and tasks of anatomy. Anatomical nomenclature. Muskuloskeletal tissues. Cells – species. Osteology. Structure and shape of bones. Bone growth and development. Bone connections. Device of the joints. Biomechanics of the joint. Axes of motion. Bones of the spine and spinal connections. Normal curves and mechanics. Chest bones. Chest connections. Respiratory movements. Bones of the skull. Bones and connections of the upper limb. Bones and connections of the lower limb. Myology. Muscle shape and structure. Blood supply and innervation. Muscle biomechanics. Lever system. Synergists and antagonists. Muscles of the head, neck, body, upper and lower limb.

**Teaching and assessment:**

The lecture material is carried out through lectures, practical classes and independent preparation of students. The lectures are illustrated with a multimedia presentation. The practical exercises are aimed at individual mastering of the material by each student. Ongoing control is carried out through oral interviews in the course of teaching and testing. 90% attendance at the lectures and 100% attendance at the practical exercises and a positive presentation of the current tests are required to obtain certification. The assessment is formed by passing a theoretical and practical exam.

**SB10807 Biochemistry****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health

**Lecturers:**

Assoc. Prof. Maria Radanova, PhD, Department of Public Health,

tel.: +359 82 821 993, e-mail: modjakova@biofac.uni-sofia.bg

Assist. Prof. Kristina Petrova Zaharieva, Department of Medical and Clinical Diagnostic Activities,

tel.: +359 82 821 993, e-mail: kzaharieva@uni-ruse.bg

**Abstract:**

The course aims at familiarizing students with the biochemical bases of the processes in the human body. The main tasks are to clarify the basic biochemical concepts and the relationship between metabolism and biophysical processes in living organisms. The basic bioenergy, metabolism and its regulation, biochemistry of food and nutrition, muscle contraction, fatigue and recovery.

**Course content:**

Structural organization of living organisms. Proteins and nucleic acids. Basic biophysical and physical concepts and laws and their relationship with biochemical phenomena. Enzymes. Bioenergetics. Biochemical bases of feeding water and electrolytes. Metabolism of carbohydrates, lipids, nucleic acids and proteins. Regulation of metabolism. Blood biochemistry. The liver as the primary biochemical laboratory. Biochemistry of kidney function. Biochemistry of muscles.

**Teaching and assessment:**

The theoretical foundations of the material, accompanied by suitable examples are taught in lectures. Lectures and seminars are an ongoing monitoring through tests and interviews. In the hours for practical exercises completed protocols are evaluated by points. The final grade is based on a written exam and an oral discussion on them. The exam includes development of two questions.



**SB10808 Biomechanics and Biophysics****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturer:**

Assoc.Prof. Boryana Ilieva Todorova, PhD, Dept. of Public Health

tel.:+359 82 821 993, e-mail: btodorova@uni-ruse.bg

**Abstract:**

Students learn mechanical, physical and physicochemical processes and phenomena that explain the movements of the musculoskeletal system and other physiological processes. They get acquainted with the peculiarities of bioenergy and learn how to identify some physical and physicochemical parameters which characterize the condition of the body. Students study some phenomena which are fundamental for objective diagnosis. The training turns to use knowledge of physics, biology and chemistry from secondary school. Upon that knowledge and skills students build more by studying Biochemistry, Physiology, together with some special subjects as well.

**Course content:**

Introduction. Concepts and values in biomechanics. Mechanical burden of musculoskeletal system. Forces and deformations. Passive mechanical properties of bones and muscles. Balance. Anatomical levers and kinetic chains. Biomechanics of skeletal muscles. Basics of biothermodynamics: first and second principle of thermodynamics, TD of living systems, energy balance in humans. Structure and physical properties of biological membranes. Passive and active membrane transport. Biopotentials - mechanisms of occurrence. Rest and action biopotentials. Physical properties of body tissues.

**Teaching and assessment:**

Training is done through lectures and practical exercises. Each exercise begins with a control input. Some of them have a specific practical aim, which ends with the preparation of a protocol. The input control, protocols and the attendance of the students are evaluated by points, the maximum number is 95 points. For semester certification at least 40 points are required. Students sit for a written exam which brings them a maximum of 200 points. The final mark is based on the total number of points collected by a student.

**Weekly classes:** 2lec+0sem+0labs+2ps**Type of exam:** written**SB10809 Latin Language with Medical Terminology****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturer:**

Maya Stoyanova, MSc, Faculty of Law, e-mail: mstoyanova@uni-ruse.bg

**Abstract:**

The objective of teaching Latin is to introduce students in Kinesitherapy to the essential knowledge, which is most necessary for the correct usage of medical and scientific terminology. Learning Latin facilitates students in mastering the medical subjects as far as correct understanding of the meaning of words used as special terms is concerned. Latin grammar is studied concisely in the context of selected Latin texts, phrases and sentences put in order of methodological sequence. Relying on the acquired minimum of grammar and lexicology knowledge at the end of the course, students should be able to read and translate longer Latin texts by means of a dictionary, master medical scientific vocabulary and improve their language culture by learning Latin phrases and sentences.

**Course content:**

The Alphabet. Pronunciation. Parts of speech. Verb – conjugation. Noun. Adjective. Pronoun. Numerals. Declension. Word-formation. Medicines and abbreviations.

**Teaching and assessment:**

Teaching methods are specified in compliance with the Kinesitherapy syllabus. Lessons are carried out in small groups of students enabling personal performance of each one. Practicing Latin grammar introduced through text examples containing original Latin medical terminology, learning famous phrases and sentences and taking written and oral examination, students gain the knowledge essential to use medical and scientific terminology precisely and correctly.

**Weekly workload:** 0lec+2sem+0lab+0ps**Type of exam:** written

**SB10810 Medical Ethic and Deontology****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assos. Prof. Nicolina Angelova, PhD, Dept. of Health Care,  
tel. +359 82 834514, e-mail:nangelova@uni-ruse.bg**Abstract:**

The course "Medical ethics and deontology" was included as mandatory in the general curriculum of Massage Therapy. Its purpose is to introduce students to the legal, ethical and clinical aspects of the problems of the patient, thus laying the foundations of a holistic approach to solving them / in the context of the environment in which the patient lives /. The absorption of personality - centered approach / manifestation of respect for the world of patient / on the biopsychosocial model and the principle of informed consent are the basis of modern physicians.

**Course content:**

Essence of medical ethics . Basic concepts - ethics, morality, deontology . Historical foundations. Principles and rules of medical ethics . Ethical aspects of the relationships between medical professionals and patients. Ethical rules of conduct for the medical professional. Patients' rights. An informed consent. Confidentiality. Moral and ethical issues of care for chronically and terminally ill patients. Palliative care. Euthanasia . Moral and ethical aspects of reproductive behavior and new reproductive technologies. Consent of the patient for treatment. Forced treatment. Medical confidentiality. Official secret. Illegally practicing medical activity criminal, civil and administrative liability of medical professionals. Classification of professional crime and omissions.

**Teaching and assessment:**

The lectures include lectures, presentations, multimedia, used didactic sheet - term thesis of the lecture and testing with key issues for feedback. Is assessed through oral interviews, tests, analysis and evaluation of self-developed themes. To receive certification, students need to have 100% attendance of lectures. The assessment is formed after the theoretical - oral and written exam.

**SB10811 Medical Psychology****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Silviya Kroushkova, PhD, Dept. of Public Health and Health Care,  
tel.: +359 82 821 993, e-mail:kroushkova@uni-ruse.bg**Abstract:**

The course aims to acquaint students with the contemporary state of medical psychology, its methodological basis and basic directions: neuropsychology, pathopsychology, psychological basis of the psychotherapy, psychological problems of psychosomatic relations, psychoprophylactics, psychohygiene. Special attention is devoted to anomalies in different processes, principles and methods of medical and psychological research and the practical work of the medical psychologist.

**Course content:**

Introduction to medical psychology. Methods of enquiry. Body, spirit and spirituality. Psychic. Psychic relation between body and illness. Somatogenics, psychogenics, yatrogenics. Psychiatry, pathopsychology, illness and mental disorder. Personality and illness. Medical ethics and medical deontology. Psychology of patient – medical personnel relationship. Scientific research, psychometrics, evaluation, diagnostics and psychodiagnostics. Psychological evaluation and assessment. Didactic tests. Specific developmental disorders. Cognitive dysfunction in children. Psychotherapy as a basic method in medical psychology.

**Teaching and assessment:**

Lectures are carried out mostly frontally using various interactive methods. Various questionnaires for assessing the cognitive processes are provided stressing on possible deviations and their pathologic characteristic. Continuous assessment is based on self study and participation in discussions. Regular attendance at lectures is required. Final grade is based on the mean of three tests.

**Weekly workload:** 2lec+0sem+0lab+0ps**Type of exam:** written**Weekly classes:** 2lec+0sem+0labs+0ps**Type of exam:** written

**SB10812 Theory and Methodology of Physical Education and Sport Training****ECTS credits:** 1**Assessment:** exam**Department involved:**Department of Physical Training and Sports,  
Faculty of Public Health and Health Care**Lecturers:**Sen. Assist. Prof. Iliyan Ilchev, PhD, Dept. of Physical Training and Sports,  
tel:+359 82 821 993, e-mail: iilchev@uni-ruse.bg**Abstract:**

Lectures acquaint students with the underlying theoretical and methodological principles of physical education and sport which serve as a basis for their development as experts in their future jobs. Students gain knowledge about significant issues in physical education and sport, their subject, tasks and contents. Underlying principles, methods, systems of physical education and links to other parts of education are examined. The essence of physical skills and basic terminology are also discussed. Focus is on common integration trends in different stages of physical education and the relationship between physical education and the rest of the components in the integrated educational process. Students are provided with guidelines for planning and assessment of physical education.

**Course content:**

Essence, subject and contents of the theory behind physical education and sport (PES). Basic concepts in PES. General classification of the means in PES. Improving man's dynamic potential. Motor habits and physical skills. Didactic principles. Syllabus contents in all stages of the educational system. Activities in PES. Methodology of organisation. Diagnostics of the physical ability.

**Teaching and assessment:**

Lectures provide knowledge about main issues in the theory of physical education and sport. They comply with the contemporary requirements for efficient teaching. Visual aids are widely used.

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written**SB 16700 Fieldwork I****ECTS credits:** 9**Assessment:** exam**Department involved:**Department of Public Health  
Faculty of Public Health and Health Care**Lecturer:**

Vanya Naydenova Dacheva, tel.: 082 821 993, e-mail: vdacheva@uni-ruse.bg

**Abstract:**

The aim of the course "Fieldwork I" is: outline the need for general and special health cares for patients in medical institutions; to reveal the nature and the need for health care for hospitalized patients; to master the necessary knowledge to study the vital indicators; to master the ruleenovas for various dressings; to acquire practical skills and professional competence for the care of the patient.

**Course content:**

The curriculum includes theoretical and practical modules covering the following topics: research and registration of somatic indicators rounds, history, dressings-rules processing of aseptic and septic wound care after insect bites, drugs - rules application, monitoring of external type and condition of the patient.

**Teaching and assessment:**

Practical exercises are conducted in a real clinical environment and specialized classrooms. Assessment is conducted during each academic practice, through standardized tests and interview. The final mark is formed after an exam in two parts - theoretical and practical.

**Weekly classes:** 0lec+0sem+0labs+14ps**Type of exam:** theory and practice

**SB10814 Basic Gymnastics****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Physical Training and Sports

Faculty of Public Health and Health Care

**Lecturers:**

Assist. Prof. Valeri Yordanov PhD, Dept. of Physical Training and Sports,

tel: +359 82 888 652, e-mail: viordanov@uni-ruse.bg

**Abstract:**

Basic gymnastics as a type of activity with its variety of movements conduces to extending the motor ability, increasing the physical capability level. It contributes to gaining strong health and increasing the organism powers of resistance of those who attend it. This sport subject against the students whitt the basic gymnastics instruments, the physical exercises terminology and the methodic of teaching them. Gus a possibility is provided future kinesitherapists to apply the exe tinsmith and without gymnastics apparatuses in a concretes situation in methodical succession.

**Course content:**

Basic gymnastics for man's harmonic physical and motional advance. Characteristic features, objective aims of basic gymnastics. Basic gymnastics instruments. General and special physical training. Physical exercises – methodical instructions. Basic movements. Methodical instructions and requirements for teaching the general – developing. Exercises with hand without gymnastics apparatuses.

**Teaching and assessment:**

Knowledge on basic problems is acquired in practical lessons, included in the curriculum. Students gain theoretical and practical tuition by discussing, by binding together the new knowledge and motional experience already acquired and by luxuriant illustration materials. It also includes an elaboration of a course assign it – mint. The ending procedure is a current mark assessment. It is formed as an arithmetical mean of the theoretical and practical assessment during tee semester When getting a final poor mark from the theoretical and practical examination, the final mark is poor.

**SB10815 English****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Foreign Languages

Faculty of Law

**Lecturers:**

Sr. Assist. Prof. Liliyana Slavyanova, Dept. of Foreign Languages,

tel.:+359 888 803, E-mail: lslavianova@ecs.ru.acad.bg

**Abstract:**

The overall aim of the two foreign language modules is to give students new knowledge of the foreign language and basic grammatical categories. It also aims at further developing communicative competence in the field of both general and specific foreign language. Students are acquainted with the everyday language of communication between the kinesitherapist and patient and the procedure of prescribing adequate treatment. Reading skills needed to handle medical texts are also developed.

**Course context:**

Introductions. Professions. My home and town. On the telephone. Traveling. Leisure time. Healthy life and food. At the doctor's. First medical aid. The job of the kinesitherapist. History of medicine. The health system in the UK and Bulgaria. Applying for a job and writing a CV; job interviews; Medical forms.

**Teaching and assessment:**

To acquire the necessary language knowledge and develop skills in using the language as a means of communication a wide range of books, authentic texts and audio – recordings are used. The teaching process involves various oral and written exercises and activities. Students are acquainted with effective strategies of learning in accordance with the principles of modern foreign language teaching. Continuous control is based on two written tests and students' oral participation during classes. Each student has to work on a course assignment given by the teacher and present it at the end of each term. The language knowledge and skills acquired are of great significance to the final mark which is the result of written tests, continuous assessment, oral participation and successful course assignment.

**Weekly classes:** 0lec+0sem+0labs+2ps**Type of exam:** written**Weekly classes:** 0lec+0sem+0labs+2ps+ca**Type of exam:** written and oral

**SB10816 German****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Foreign Languages

Faculty of Law

**Lecturers:**

Sr. Assist. Prof. Sergey Bartenev, Dept. of Foreign Languages,

tel.: +359 888 824, E-mail: sbartenev@ru.acad.bg

**Abstract:**

The overall aim of the two foreign language modules is to give students new knowledge of the foreign language and basic grammatical categories. It also aims at further developing communicative competence in the field of both general and specific foreign language. Students are acquainted with the everyday language of communication between the kinesi therapist and patient and the procedure of prescribing adequate treatment. Reading skills needed to handle medical texts are also developed.

**Course context:**

Introductions. Professions. My home and town. On the telephone. Traveling. Leisure time. Healthy life and food. At the doctor's. First medical aid. The job of the kinesi therapist. History of medicine. The health system in the UK and Bulgaria. Applying for a job and writing a CV; job interviews; Medical forms.

**Teaching and assessment:**

To acquire the necessary language knowledge and develop skills in using the language as a means of communication a wide range of books, authentic texts and audio – recordings are used. The teaching process involves various oral and written exercises and activities. Students are acquainted with effective strategies of learning in accordance with the principles of modern foreign language teaching. Continuous control is based on two written tests and students' oral participation during classes. Each student has to work on a course assignment given by the teacher and present it at the end of each term. The language knowledge and skills acquired are of great significance to the final mark which is the result of written tests, continuous assessment, oral participation and successful course assignment.

**Weekly classes:** 0lec+0sem+0labs+2ps+ca**Type of exam:** written and oral**SB10817 French****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Foreign Languages

Faculty of Law

**Lecturers:**

Sr. Assist. Prof. Romyana Ivanova Milanova, Dept. of Foreign Languages,

tel.:+359 888 824, e-mail: rmivanova@ecs.ru.acad.bg

**Abstract:**

The overall aim of the two foreign language modules is to give students new knowledge of the foreign language and basic grammatical categories. It also aims at further developing communicative competence in the field of both general and specific foreign language. Students are acquainted with the everyday language of communication between the kinesi therapist and patient and the procedure of prescribing adequate treatment. Reading skills needed to handle medical texts are also developed.

**Course context:**

Introductions. Professions. My home and town. On the telephone. Traveling. Leisure time. Healthy life and food. At the doctor's. First medical aid. The job of the kinesi therapist. History of medicine. The health system in the UK and Bulgaria. Applying for a job and writing a CV; job interviews; Medical forms.

**Teaching and assessment:**

To acquire the necessary language knowledge and develop skills in using the language as a means of communication a wide range of books, authentic texts and audio – recordings are used. The teaching process involves various oral and written exercises and activities. Students are acquainted with effective strategies of learning in accordance with the principles of modern foreign language teaching. Continuous control is based on two written tests and students' oral participation during classes. Each student has to work on a course assignment given by the teacher and present it at the end of each term. The language knowledge and skills acquired are of great significance to the final mark which is the result of written tests, continuous assessment, oral participation and successful course assignment.

**Weekly classes:** 0lec+0sem+0labs2ps+ca**Type of exam:** written and oral

**SB10818 Russian****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Foreign Languages

Faculty of Law

**Lecturers:**

Sr. Assist. Prof. Iliyana Benina, Dept. of Foreign Languages,

tel.: +359 888 815, E-mail: lbenina@ecs.ru.acad.bg

**Abstract:**

The overall aim of the two foreign language modules is to give students new knowledge of the foreign language and basic grammatical categories. It also aims at further developing communicative competence in the field of both general and specific foreign language. Students are acquainted with the everyday language of communication between the kinesi therapist and patient and the procedure of prescribing adequate treatment. Reading skills needed to handle medical texts are also developed.

**Course context:**

Introductions. Professions. My home and town. On the telephone. Traveling. Leisure time. Healthy life and food. At the doctor's. First medical aid. The job of the kinesi therapist. History of medicine. The health system in the UK and Bulgaria. Applying for a job and writing a CV; job interviews; Medical forms.

**Teaching and assessment:**

To acquire the necessary language knowledge and develop skills in using the language as a means of communication a wide range of books, authentic texts and audio – recordings are used. The teaching process involves various oral and written exercises and activities. Students are acquainted with effective strategies of learning in accordance with the principles of modern foreign language teaching. Continuous control is based on two written tests and students' oral participation during classes. Each student has to work on a course assignment given by the teacher and present it at the end of each term. The language knowledge and skills acquired are of great significance to the final mark which is the result of written tests, continuous assessment, oral participation and successful course assignment.

**Weekly classes:** 0lec+0sem+0labs+2ps+ca**Type of exam:** written and oral**SB16701 Human Anatomy II****ECTS credits:** 4**Assessment:** exam**Departmentary guidance:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Dimitar Stavrev, PhD

Vanya Dacheva - Department of Medical and Clinical Diagnostic Activities; e-mail: vdacheva@uni-ruse.bg

**Abstract:**

The aim of the training in Anatomy of the students of KINESITHERAPY is to obtain basic knowledge about the structure of the human body. The teaching is in a functional aspect and with a clinical focus. In view of the qualification characteristics of the specialty, the burden of teaching anatomy Part II covers knowledge of the structure of the nervous system, cardiovascular system and systems of internal organs.

**Course content:**

Digestive system. Respiratory system. Separation system. Reproductive system. Endocrine system Blood system Lymphatic system. Hematopoietic organs. Spinal cord. Cerebrum. Elongated brain. Bridge. Small brain. Midbrain. Intermediate brain. Cranial nerves. Spinal nerves.

**Teaching and assessment:**

The lecture material is carried out through lectures, practical classes and independent preparation of students. The lectures are illustrated with a multimedia presentation. The practical exercises are aimed at individual mastering of the material by each student. Ongoing control is carried out through oral interviews in the course of teaching and testing. 90% attendance at the lectures and 100% attendance at the practical exercises and a positive presentation of the current tests are required to obtain certification. The assessment is formed by passing a theoretical and practical exam.

**Weekly workload:** 2lec + 0sem + 0labs + 2ps**Type of exam:** theoretical and practical

**SB10821 Pathological Anatomy****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturer:**

Assoc. Prof. Peter Ghenev, MD, PhD, Dept. of Pathoanatomy, MU – Varna

Tel.: +359 52 978604, ghenev@gmail.com

**Abstract:**

The education in Pathology is designed to provide students with knowledge on the basic pathologic processes that arise as structural changes in cells, tissues and organs in response to numerous pathological factors, and which cause the functional disturbances that underlie disease. Studying the basic pathological aberrations and processes in human organism is absolutely necessary for developing of proper understanding of the nature of all biological events. On the basis of fundamental subjects, such as Anatomy and Cell Biology, Physiology, Biochemistry, knowledge and skills are acquired, which are essential for the understanding of all clinical disciplines and special subjects, such as: General methods for functional investigation and evaluation in physiotherapy, Pathokinesiology – functional analysis and evaluation, Therapeutic basics and methods of physiotherapy.

**Course contents:**

Introduction in Pathology, Cell Injury: Reversible and Irreversible, Circulation disorders, Adaptations, Inflammation and repair, Tumor growth. Clinical Pathology: Cardiovascular and respiratory diseases, Gastrointestinal tract, endocrine, and muscle- skeletal disorders, renal and neural diseases.

**Teaching and assessment:**

Training is done through lectures and practical exercises. Lectures provide the theoretical basis and are rich in illustrations and examples. Particular attention is paid on the link between theory and problem-solving practical skills that are necessary for the physiotherapist. Attendance to lectures and practical exercises is compulsory. The final score is derived 20% from the continuous control and 80% from the exam.

**SB10820 Physiology****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Dr. Kameliya Bratoeva, DM, PhD, Dept. of Physiology and Pathophysiology, MU – Varna

tel.: +359 82 821 993, E-mail: kamelia.bratoeva@mu-varna.bg

Assist. Prof. Kristina Zaharieva, Dept. of Medical and Clinical Diagnostic Activities

tel.: +359 82 821 993, e-mail: kzaharieva@uni-ruse.bg

**Abstract:**

Physiology is fundamental science, which aims to acquaint students with the essence of life processes, the range of normal and pathological manifestation. The training course includes mechanisms of arousal processes, functional features of digestive, cardiovascular and respiratory systems, metabolism and energy, renal activity, nervous and endocrine regulation of vital functions. In the end of the training students need to acquire knowledge, skills and habits to be able to describe the functions of organs and systems in the body; recognize normal values, limits of their manifestation and pathological deviations, and to know and use some basic methods for physiological research.

**Course content:**

Physiology as a fundamental course. Transport processes through cell membranes. General physiology of excitable tissues. Physiology of the synapse. Body fluids. Homeostasis. Metabolism and energy. Thermoregulation. Blood and lymph. Physiology of the cardiovascular, respiratory, urinary and digestive systems. Functions of the liver. Physiology of the endocrine and central nervous systems. Analysts. Regulation of motor reactions. Autonomic nervous system. Higher nervous activity.

**Teaching and assessment:**

Training is done through lectures and exercises. The course ends with the presentation of the course work set in advance and each student as well as theoretical examination in a matter of a predetermined conspectus. Prerequisite for students to have knowledge of anatomy and biophysics, physiology as learning is a basis for the preparation of all clinical disciplines, which in later stages meets kinesitherapist.

**SB10822 Basics Kinesiology of Physiotherapy****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Ivelina Stoyanova-Raeva, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: istefanova@uni-ruse.bg

Assoc. Prof. Irina Karaganova, MSc, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: ikaraganova@uni-ruse.bg

**Abstract:**

Kinesiology is a basic discipline in the training of physiotherapists. The goal of the education is that students get familiar with movements of the human locomotors system from a mechanical point of view and that they are able to explain its characteristics resulting from the specific structure and function of the musculoskeletal system. Students need to have knowledge in Anatomy (part I) and secondary school mechanics. It serves as a prerequisite for studying pathobiomechanics and pathokinesiology, functional diagnostics and kinesitherapy in different conditions – orthopaedics and traumatology, neurology.

**Course content:**

Kinesiology – definition, basic concepts. Human movements' kinematics. Movement types. Functional classification of joints. Biomechanics of the skeletal muscles, types of muscle contraction. Kinematics of the shoulder, elbow, wrist and hand, spine and thorax, hip and pelvis, knee, ankle and foot. Range of joint motion. Postural control.

**Teaching and assessment:**

Teaching is done through lectures and practical exercises. Lectures acquaint students with the theoretical basis of the subject material, accompanied by appropriate examples. Practical classes are held in the gym of physiotherapy, which is equipped with all necessary appliances. Students take an oral exam on the lecture material.

**SB10823 General Methods for Functional Testing and Evaluation in Physiotherapy****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Ivelina Stoyanova-Raeva, PhD, Dept. of Public Health

tel.: 082 821 993, E-mail: istefanova@uni-ruse.bg

**Abstract:**

In classes future therapists should be familiar with standard survey methods in the conduct of anthropometry, somatoscopy and goniometry. They need to learn to analyze the results of these studies. Performed on phases in individual stages of the disease resulting data will enable kinesitherapeutic assess the effectiveness of work and will be the basis for a change in the volume and type of kinesitherapeutic means. Based on the acquired knowledge of anatomy, kinesiology and pathokinesiology students must learn to use manual muscle testing as a method of functional assessment of the state of the musculoskeletal system.

**Course content:**

Somatoscopy and anthropometry. Goniometry. Standard methodology for measuring the volume of ROM in the shoulder girdle and the shoulder joint, in the joints of the upper limb, joints of the lower limb, in the spine. Analysis of some elements of the MMT. Rules for MMT. Testing the movements of the neck, torso and pelvis, hip, knee, in ankle joint and toes, of the shoulder girdle, shoulder joint, elbow joint, on the wrist joint, finger, the mimic musculature.

**Teaching:**

The classes begin with a theoretical part which exposes the essence of the topic being studied. Techniques of anthropometry, somatoscopy, goniometry and MMT demonstrated by the teacher on the selected model. Teacher enriches the lectures with schemes of individual muscles and muscle groups according to study movement of various joints. Practical classes start with checking the students' knowledge of the preceding material. The students, dressed appropriately, perform practical tasks assigned by the teacher. Verification of student knowledge and skills is carried out by running tests during lectures and exercises. Students are required attending lectures and exercises. Students receive certification with 100% of presence in lectures and exercises. At the end of the semester students take a theoretical and practical examination. In forming the final assessment takes into account the results of ongoing tests.

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written**Weekly classes:** 2lec+0sem+0labs+3ps**Type of exam:** written and practical



**SB10824 Therapeutic Bases and Means of Physiotherapy I****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Healthcare

**Lecturers:**

Assoc. Prof. Ivelina Stefanova Stoyanova-Raeva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: istefanova@uni-ruse.bg

Sen. Assist. Prof. Denitsa Vasileva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: ddechewa@uni-ruse.bg

**Abstract:**

The aim of the course is to provide basic information about physiotherapy (PT) and its scientific foundations as an interdisciplinary area of the human knowledge and practice. The detailed study and mastering of different kind of physical exercises as a basic mean of physiotherapy, their potentialities/ benefits and different approaches in their application in the prevention, treatment and rehabilitation, is an important basis for up-building in the following years of PT studies of specialized knowledge, skills and professional attitudes of students for treatment of patients with different health problems.

**Course content:**

Historical development of PT. Professional organization. Nature, place and role of PT in rehabilitation. Scientific and clinical-physiological bases. General methodological requirements and rules for conducting PT. Basic resources. General contraindications to PT. Main specializations in modern PT. Musculoskeletal PT. Functional deficit. Compilation of PT program in musculoskeletal dysfunctions. Basic resources. Sketching of exercises. Passive, active-assisted and active exercises. Resistive exercises and tools to restore muscle function. Joint and muscle stretching. Active muscle inhibition. Manual mobilization of peripheral joints and spine. Orthotic devices used in kinesitherapy. Physical factors.

**Teaching and assessment:**

The course of lectures introduces students to the theoretical bases of PT. Interactive methods of teaching/ learning and continuous assessment is used. Practical studies are organised in small groups (10-12 students) in suitably equipped teaching rooms. They are directed toward practical study, gaining skills, terminological description/ sketching of physical exercises as a basic mean of PT, as well as the most important methodological requirements in applying them in PT sessions and programs aiming prevention, treatment and rehabilitation. The final grade is based on examination results, including practical and theoretical part and taking in account continuing assessment marks.

**SB10826 First Aid Equipment****ECTS credits:** 1**Type of examination:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Teodora Nedeva, MD, PhD, Dept. of Medical and Clinical Diagnostic Activities

tel.: +359 887 468 695, e-mail: tsherbanova@uni-ruse.bg

**Abstract:**

Discipline "First aid equipment" studies issues related to the specific problems concerning emergencies. All of them are life threatening situations. This makes an important need clinical, therapeutic and organizational terms to be discussed with students. In this special student groups, some general knowledge and skills concerning emergencies are necessary. They may help in managing such sudden situations, before medical hospital care is given. Kinesitherapists should be well trained to perform immediate and adequate first aid to injured people before the coming of a medical team.

**Course content:**

Basic knowledge about: Patient care in acute respiratory disorders. Patient care in acute cardiac problems. Patient care in acute neurological conditions. Patient care in acute endocrinological conditions. Patient care in acute disorders gastrointestinal outpatient department for acute conditions in paediatrics. Outpatient care in allergic shock. Outpatient care in road accidents. Patient care in acute poisoning. Outpatient care in drowning.

**Teaching and assessment:**

Teaching is done basically through lectures and a course assignment. Lectures present theoretical basis of the subject and are accompanied by appropriate examples. Lectures are held in an auditorium, where modern methods of presentations – multimedia, case studies and discussins are used. Usage of educational films and special medical equipment are also possible. The final grade is based on a written and oral examination on two theoretical questions from the questionnaire.

**Weekly classes:** 2lec+0sem+0labs+2ps**Type of exam:** written and practical**Weekly classes:** 1lec + 0sem + 0labs + 0ps**Type of exam:** written

**SB10827 Fieldwork II****ECTS credits:** 9**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Ivelina Stefanova, PhD, Dept. of Public Health, e-mail: istefanova@uni-ruse.bg

Principal Assist. Prof. Denitsa Vasileva, PhD, Dept. of Public Health, e-mail: ddechewa@uni-ruse.bg

**Abstract:**

The aim of the course is for students to practically apply the acquired skills and knowledge of general care for the patient, to apply the studied basic methods and tools of kinesitherapy, methods for studying the functional suitability of the musculoskeletal system (goniometry, centimeter, manual muscle testing) and kinesiological analysis to determine the rehabilitation potential of patients. They are trained to prepare exemplary kinesitherapy programs.

**Course content:**

Anamnesis. Somatoscopy. Atropometry. Manual muscle testing. Compilation of a kinesitherapy program. Types of healing exercises. Suspension. Pulitherapy. Stretching and muscle inhibitory techniques. Restoration of locomotor abilities.

**Teaching and assessment:**

It is performed in real clinical conditions. Students are assigned different clinical cases. They take a anamnesis, perform the necessary measurements and tests. Based on the obtained results, sample kinesitherapy programs. The assessment is formed through current control, participation in clinical work, exam (oral and theoretical). Students receive certification in 100% attendance.

**Skills and competencies:** professional behavior and attitude; taking anamnesis; functional assessment; determining the rehabilitation potential of the patient, development of kinesitherapy programs.

**Weekly classes:** 0lec+0sem+0labs+10ps**Type of exam:** written and practical**SB10836 Health Education****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Kristina Zaharieva PhD, Dept. of Medical and Clinical Diagnostic Activities

tel.: + 359 888731063, e-mail: kzaharieva@uni-ruse.bg

**Abstract:**

The aim of the course "Health Education" is to achieve high health culture and education of the students. The objective is to form skills, describing health or health-related social problem that should be influenced positively changed. The expected results are learning about the risk factors for health and health skills to overcome and prevent the influence of risk factors.

**Course content**

The program includes topics from the following areas: smoking; alcohol abuse; nutrition and disease due to poor nutrition; physical activity; sexually transmitted diseases; HIV / AIDS; sexual and reproductive health.

**Teaching and assessment:**

The main form of conducting classes in the course are lectures. Monitoring shall be conducted during the lectures and the final grade is based on a theoretical exam.

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written

**SB10837 Radiology****ECTS credits: 1****Assessment: exam****Department involved:**Department of Public Health,  
Faculty of Public Health and Health Care**Lecturers:**Assoc. prof. Sevdalin Angelov, PhD,  
tel.: + 359 888731063, e-mail: sangelov@uni-ruse.bg**Abstract:**

The main goal of training in the optional discipline "Radiology" is for kinesitherapist students to become familiar with the physical foundations, the main technical parameters of the equipment and the diagnostic capabilities of the individual imaging methods applied in medicine. Students become familiar with obtaining the different types of rays used for diagnostic purposes, based on the different types of energy, their interaction with living matter and the principles of image construction in each individual imaging method..

**Course content**

Introduction to imaging. Research methods. Indications, contraindications. Radiation protection. Methods of studying the musculoskeletal system - basic image semiotics, bone tumors and tumor-like diseases, inflammatory bone diseases, joint and spine diseases, avascular necrosis, traumatic damage to the skeleton, age characteristics, congenital luxation of the hip joint. Methods of studying the nervous system - basic image semiotics, vascular diseases of the brain, traumatic injuries of the brain, skull and spine, tumors of the central nervous system. Fundamentals of Nuclear Medicine. Gamma-camera SPECT and PET/CT in some diseases of the musculoskeletal system.

**Teaching and assessment:**

The lectures include a theoretical part, which is supported by graphic material, prospectuses, as well as X-ray images, computed tomography, nuclear magnetic resonance, ECG recordings, etc. Current control is conducted through written tests and interviews on set topics. Students are required to attend lectures. At the end of the semester, students take an exam. When forming the final assessment, the overall assessment from the current control is also taken into account.

**SB10838 Basics of Pharmacology and Phytotherapy****ECTS credits: 1****Assessment: exam****Department involved:**Department of Public Health  
Faculty of Public Health and Health Care**Lecturer:**Assoc. Prof. Antoniya Kastelova, MD, PhD, Dept. of Health Care  
tel.:+359 888768714; akastelova@gmail.com**Abstract:**

The course "Basics of pharmacology and phytotherapy" aims to give the students knowledge about the basics of pharmacology and phytotherapy. Given a generalized knowledge of pharmacology and phytotherapy, students comprehend the material studied in chemistry, biochemistry and others. Knowing these common principles will help the specialist physiotherapist to adequately respond to specific therapeutic program, the patient's prescribed by the medical doctor.

**Course content:**

The course "Basics of pharmacology and phytotherapy" contains matters of general pharmacology related to the key processes of the pharmacokinetics and pharmacodynamics of drugs and drug biotransformation, factors affecting drug action and the various drug interactions in the body. They will be discussed and some basic principles of toxicology such as adverse drug reactions, toxic and carcinogenic effects of drugs, drug dependence (medicinal drug abuse) and others. The lecture provides information about opportunities to influence some groups of diseases via phytotherapy with proven efficacy as an single or supportive treatment.

**Teaching and assessment:**

Teaching is carried out through lectures. Students participate in the discussion of the main issues during lectures. Validation of the semester should be based on the presence of students (at least 75% of the lecture time). The final assessment is based on a written exam on two theoretical questions from the questionnaire. The duration of exam is 90 minutes.

**Weekly classes: 1lec+0sem+0labs+0ps****Type of exam: written****Weekly classes: 1lec+0sem+0labs+0ps****Type of exam: written**

**S00072 Physical education and sport****ECTS credits:** 1**Assessment:** colloquium**Department involved:**

Dept. of Physical training and sports, Faculty of Transport

**Lecturers:**

Ch.Assist. Valeri Yordanov PhD, Tel.: 082/888 652; E-mail: viordanov@uni-ruse.bg, Ch.Assist. Iskra Ilieva PhD, Tel.: 082/888 225, E-mail: isilieva@uni-ruse.bg; Ch.Assist. Ilian Ilchev PhD, Tel.: 082/888 225, E-mail: IL @abv.bg; Ch.Assist. Kamen Simeonov PhD, Tel.: 082/888 225, E-mail: simeonov kamen@abv.bg; Snr.lect. Milena Grigorova PhD, Tel.:082/888 652; E-mail: mgrigorova@uni-ruse.bg, lect. Pavel Kostov Tsolov, Tel.: 082/888 652; E-mail: ptsolov@uni-ruse.bg, lect. Angel Velizarov Pavlov, Tel.: 082/888 652; E-mail: apavlov@uni-ruse.bg, lect. Milena Ivanova Boteva, Tel.: 082/888 652; E-mail: mboteva@uni-ruse.bg, hon.lect Valentin Kamenarov, Tel.: 082/888 624, E-mail: ru-sport@uni-ruse.bg

**Abstract:**

The course builds the foundations of the system of motor skills, habits and knowledge of the technique and tactics of motor action in the sports of choice in students. The practical exercises included are directly related to the purpose and objectives of the training, namely: improving physical capacity, enhancing health and tempering the body of the trainees.

**Course Content:**

Introduction: Historical data of the appearance and development of the different sports. Theoretical knowledge and practical skills for the technique of fulfilling the different elements of the sports practiced. Tactical actions. Knowledge of rules.

**Teaching and assessment:**

Practical lessons are conducted in groups of students of different motional abilities (beginners and advanced), by applying individual and differentiated approach during training. Basic requirements of students' training are related to mastering knowledge, basic motor skills and habits, technical and tactical actions and rules of the chosen sport type. When forming the final assessment mark, regular attendance of lessons is considered. Subject of assessment are the basic technical skills, tactics and knowledge of rules and the participation of the students in regional and state competitions.

**Weekly hours:** 2 pe**Type of examination:** oral and practice**SB10828 Clinical Placement I****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Healthcare

**Lecturers:**

Assoc. prof. Ivelina Stefanova, PhD, Dept. of Public Health  
tel.: +359 82 821 993, e-mail: istefanova@uni-ruse.bg

**Abstract:**

The course aims to enable students to practically apply the so far acquired skills and knowledge in general patient care, to apply methods for testing the functionality of the musculoskeletal system (goniometry, anthropometry) and kinesiology analysis to determine the rehabilitation potential of patients. Summer practice allows self are prepared kinesitherapeutical programs, set goals, objectives and define the means of physical therapy, which will be used to achieve them. Each student works individually with patients, such as capture a brief history and status, perform the necessary measurements and tests, controls the exact and correct implementation of kinesitherapeutic procedures under the supervision of an appropriate specialist. By purpose kinesitherapy using the means and methods of work, which shall be well kinesitherapeutical programs.

**Module content:**

Basic principles of PT in orthopaedic and traumatic disorders. Functional studies and analyses of kinesiology musculoskeletal system.

**Teaching and assessment:**

Summer internship clinical practice continuous 4 weeks. Held correspondingly approved hospital in the following clinical areas: orthopaedics and traumatology, physical medicine and rehabilitation. It represents the work of students under the guidance of a team of health professionals in relevant clinical areas and clinical instructor in physical therapy. Students taken a brief history and status, perform appropriate measurements and tests. Based on the results they produce kinesitherapeutical programs.

**Weekly classes:** 0lec+0sem+0labs+10ps**Type of exam:** written and practical

**SB10830 Pathophysiology****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Dr. Kameliya Bratoeva, DM, PhD, Dept. of Physiology and Pathophysiology, MU – Varna

tel.: +359 82 821 993, e-mail: kamelia.bratoeva@mu-varna.bg

**Abstract:**

Pathophysiology is fundamental medical science that studies the etiology, mechanism / pathogenesis / the main types of pathological processes and diseases, as well as general guidance in prevention and treatment. It is a common theoretical link between preclinical and clinical disciplines and occupies an important place in medical education. Studying basic mechanisms that develop diseases and healing, pathophysiology gives students the knowledge and skills necessary for understanding the observed facts in the clinic for proper solving the problems facing each patient. Pathophysiology gives kinezitherapist ability to interpretation, analysis, synthesis and critical evaluation of scientific achievements, self-searching, critical examination and integration of scientific literature and other relevant sources, develops knowledge of the activities and practice. Last but not least, she convinces the specialist training continues throughout their lives.

**Course content:**

Introduction to the pathophysiology. Microcirculation. Inflammation. Fever. Damaging effects of external factors. Hypoxia. Tumors. Reactivity and resistance. Pathophysiology of breaches of metabolism. Pathophysiology of: nervous, endocrine, cardiovascular, respiratory, blood, urinary and digestive systems.

**Teaching and assessment:**

Training is done through lectures. The course ends with the presentation of the course work set in advance and each student as well as theoretical exam. Prerequisite for students to have knowledge of anatomy and physiology. It is the basis for the teaching of all clinical disciplines and relevant kinesitherapy methods of treatment and recovery.

**Weekly classes:** 2lec+0sem+0labs+0ps**Type of exam:** written**SB10831 Pathokinesiology – Functional Analysis and Evaluation****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Ivelina Stoyanova-Raeva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: istefanova@uni-ruse.bg

Assoc.. Prof. Petya Parashkevova, PhD, Dept. of Public Health

tel.: +359882895149, e-mail: pparashkevova@uni-ruse.bg

**Abstract:**

Pathological kinesiology make up a specific study course during which the students get acquainted with morbid disorders of the human movements and postures that have resulted from pathological changes of the musculoskeletal system, as well as of the central and peripheral nervous system. They get acquainted with the most frequent pathological conditions that are object of rehabilitation and physiotherapy. In order to gain a very good understanding of the information, sufficient knowledge in kinesiology and biomechanics is needed. The mastering of the discipline is a necessary prerequisite for the precise estimation of the neurological and orthopedic status of the patient and the preparation of an effective physiotherapy program.

**Course content:**

Essence of pathokinesiology. Pathological impairments of muscles and joints – causes for their origin. Stages of recovery. Pathokinesiological changes of the spine, upper and lower extremities. Pathological gaits.

**Teaching and assessment:**

The studied topics are presented through lectures and practical classes. Practical training needs to be carried out and illustrated in a physiotherapy room. Continuous assessment is carried out by oral and written examinations. Students receive certification in collected 105 points out of 210. Final assessment for the term is based on examination.

**Weekly classes:** 2lec+0sem+0labs+2ps**Type of exam:** written and practical

**S03964 Massage I****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: rdeleva@abv.bg

**Abstract:**

The aim of the course is to acquire a theoretical basis and practical application of classical massage, which is closely integrated with medical rehabilitation. It occupies a significant portion of passive kinesis means. Physiotherapist should know the indications and contraindications for the use of massage and the physiological effects of various massage techniques on the human body, apply them correctly and competently in different states to master the technique of passive techniques and apply them in appropriate volume and direction of movement.

**Course content:**

Classification of massage. Equipment and physiological action of massage techniques on the function of the human body systems. Requirements for masseurs, patients and rooms, indications and contraindications for massage. Massage of different parts of the body. Types, location and impact of massage in physiotherapy and sports training.

**Teaching and assessment:**

Theoretical presentation of lectures accompanied by a practical demonstration of massage methods, techniques and various manual techniques. They worked during the practical exercises that students must be prepared theoretically. Students are required to certify 100% attendance of lectures and exercises. The examination is held in two stages - a theoretical and practical examination with two questions. The practical exam is held only if theoretical exam was successfully completed and the final mark is average.

**SB10833 Therapeutic Bases and Means of Physiotherapy II****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Healthcare

**Lecturers:**

Assoc. prof. Irina Karaganova, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: ikaraganova@uni-ruse.bg

Sen. Assist. Prof. Denitsa Vasileva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: ddecheva@uni-ruse.bg

**Abstract:**

The aim of the course is to provide basic information about physiotherapy (PT) and its scientific foundations as an interdisciplinary area of the human knowledge and practice. The detailed study and mastering of different kind of physical exercises as a basic mean of physiotherapy, their potentialities/benefits and different approaches in their application in the prevention, treatment and rehabilitation, is an important basis for up-building in the following years of PT studies of special knowledge, skills and professional attitudes of students for treatment of patients with different health problems.

**Course content:**

Underwater gymnastics, field treatment, sports and elements of sports in PT. Neuromuscular physical therapy. Proprioceptive neuromuscular facilitation. Diagonally-spiral movement patterns. Specialized methods used in neuromuscular PT. Cardiorespiratory PT. Means to restore the function of the cardiovascular and respiratory system. Breathing exercises and recovery of respiratory stereotype. Aerobic exercise. Physiotherapy in skin damage. Physiotherapy in children. Physiotherapy for elderly people. Physiotherapy for female health.

**Teaching and assessment:**

The teaching/learning process is going through lectures, practical studies and supervised extramural work. Appropriate examples of practice are demonstrated. Practical studies are organised in small groups (10-12 students) in suitably equipped teaching rooms. They are directed toward practical study, gaining skills, terminological description/ sketching of physical exercises as a basic mean of PT, as well as the most important methodological requirements in applying them in PT sessions and programs aiming prevention, treatment and rehabilitation. The final course assessment is based on examination results, including practical and theoretical part and taking in account continuing assessment.

**Weekly classes:** 2lec+0sem+0labs+2ps**Type of exam:** written and practical**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written and practical

**SB10834 Natural, preformed physical factors and balneology I****ECTS credits:** 6**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Dr. Kiril Panayotov, MD, Department of Medical and Clinical Diagnostic Activities

tel.: +359 82 821993, e-mail: zkm@abv.bg

**Abstract:**

The discipline is fundamental to the preparation of the physical therapists. It aims to acquaint the students with the theoretical bases and practical methods for the application of natural and preformed physical factors for the purposes of prevention, treatment and medical rehabilitation. The kinesitherapeutic and physical factors must be considered in unity, be applied in parallel, which would greatly enhance their effectiveness.

**Course content:**

Natural and preformed physical factors - mechanism of action and basic principles of application. Physical bases and methods of administration of the electrical energy in the form of low frequency currents / galvanic, pulse / srednovisokochestotni current / of Yasnogorodskiy, interference currents / high frequency and alternating current / of darsonval, UHF and SHF /; light rays from artificial sources; Ultrasound and magnetic energy aerazoloterapiya. Physical characteristic, mechanism of physiological and curative effect of the studied factors, indications and contraindications, capabilities of modern equipment and methods for their use.

**Teaching and Assessment:**

Training is done through lectures and practical exercises. The current control on the assimilation of the material taught is done during the practical exercises. The students receive certification of the discipline on the basis of their presence during classes at regular and active participation in the learning process. The final mark of the course is based on a written exam on two questions, taking into account the results of the current control.

**Weekly classes:** 3lec+0sem+0labs+3ps**Type of exam:** written**SB10845 Fieldwork III****ECTS credits:** 11**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: rdeleva@uni-ruse.bg

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: ypashkunova@uni-ruse.bg

**Abstract:**

The course is designed to acquaint and train students in the practical application of testing methods, and joints functions (defining rehabilitation potential). Functional assessments are applied in practice, sample of physical therapy programs are develop for specific patient.

**Course content:**

Somatoscopy examination. Anthropometric measurements. Manual Muscle Testing. Functional assessment. Defining aim, tasks and methods of physical therapy. Exercises types. Elements and compiling physical therapy program. Physical therapy complex of exercises.

**Teaching and assessment:**

Various clinical cases are assigned individually or by a group of students. The students took patients history, status and carry out the necessary measurements and tests. Based on the obtained results the therapy programs are discussed by the group and teacher. Evaluation is based on an ongoing monitoring, participation in clinical work, coursework and exam (oral and theoretical). Students receive certification with 100% attendance.

**Weekly classes:** 0lec+0sem+0labs+13ps+ca**Type of exam:** written and practical

**SB10876 Sport for all****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Physical education and sport

Faculty of Public Health and Health Care

**Lecturers:**

Asist. Prof. Valeri Yordanov, PhD, MD, Dept. of Physical education and sport,

E-mail: [viordanov@uni-ruse.bg](mailto:viordanov@uni-ruse.bg)**Abstract:**

Course " Sport for All " provides the necessary knowledge about the nature of this global sporting movement. Tracked chronologically creation of international and national structures of the movement. Clarifies the importance of the activities among different ages, their role in the social integration of population and work among people with disabilities.

**Course content:**

Sport for all: purpose , objectives and performance. Organizational and management structure at national level. International sports activities and events "Sports for All". Major sporting initiatives "Sport for All" . Physical Education in Schools. "Sport for All" in municipalities and elderly. Adapted sports activities and sports for all .

**Teaching and assessment:**

The course includes seminars and controlled extracurricular work . In seminars using modern audiovisual equipment: a multimedia complete set , power point presentations, videos. Is assessed through oral interviews and written tests. Students are required attendance classes . The final grade is formed based on the overall performance of students during training.

**Weekly workload:** 1lec+0sem+0labs+0p**Type of exam:** ongoing assessment**S00072 Physical education and sport****ECTS credits:** 1**Assessment:** colloquium**Department involved:**

Dept. of Physical training and sports, Faculty of Transport

**Lecturers:**Ch.Assist. Valeri Yordanov PhD, Tel.: 082/888 652; E-mail: [viordanov@uni-ruse.bg](mailto:viordanov@uni-ruse.bg), Ch.Assist. Iskra Ilieva PhD,Tel.: 082/888 225, E-mail: [isilieva@uni-ruse.bg](mailto:isilieva@uni-ruse.bg); Ch.Assist. Ilian Ilchev PhD, Tel.: 082/888 225, E-mail: [IL @abv.bg](mailto:IL @abv.bg);Ch.Assist. Kamen Simeonov PhD, Tel.: 082/888 225, E-mail: [simeonov.kamen@abv.bg](mailto:simeonov.kamen@abv.bg); Snr.lect. Milena GrigorovaPhD, Tel.:082/888 652; E-mail: [mgrigorova@uni-ruse.bg](mailto:mgrigorova@uni-ruse.bg), lect. Pavel Kostov Tsolov, Tel.: 082/888 652; E-mail:[ptsolov@uni-ruse.bg](mailto:ptsolov@uni-ruse.bg), lect. Angel Velizarov Pavlov, Tel.: 082/888 652; E-mail: [apavlov@uni-ruse.bg](mailto:apavlov@uni-ruse.bg), lect. MilenaIvanova Boteva, Tel.: 082/888 652; E-mail: [mboteva@uni-ruse.bg](mailto:mboteva@uni-ruse.bg), hon.lect Valentin Kamenarov, Tel.: 082/888 624,E-mail: [ru-sport@uni-ruse.bg](mailto:ru-sport@uni-ruse.bg)**Abstract:**

The course builds the foundations of the system of motor skills, habits and knowledge of the technique and tactics of motor action in the sports of choice in students. The practical exercises included are directly related to the purpose and objectives of the training, namely: improving physical capacity, enhancing health and tempering the body of the trainees.

**Course Content:**

Introduction: Historical data of the appearance and development of the different sports. Theoretical knowledge and practical skills for the technique of fulfilling the different elements of the sports practiced. Tactical actions. Knowledge of rules.

**Teaching and assessment:**

Practical lessons are conducted in groups of students of different motional abilities (beginners and advanced), by applying individual and differentiated approach during training. Basic requirements of students' training are related to mastering knowledge, basic motor skills and habits, technical and tactical actions and rules of the chosen sport type. When forming the final assessment mark, regular attendance of lessons is considered. Subject of assessment are the basic technical skills, tactics and knowledge of rules and the participation of the students in regional and state competitions.

**Weekly hours:** 2 pe**Type of examination:** oral and practice



**SB10840 Massage II****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: rdeleva@abv.bg

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: ypashkunova@uni-ruse.bg

**Abstract:**

The aim of the course is for students to learn the theory and practice of healing, sports and reflexive massage (periosteal, connective tissue and segmental). Physiotherapist should know the indications, contraindications and physiological impact in the implementation of various Manual and machine techniques to carry them out properly and competently in different diseases, injuries and training cycles.

**Course content:**

Machine massage. Sports massage. Equipment and physiological action of reflex massage (connective tissue, muscle, periosteal, segmental). Acupressure. Zone therapy. Honey massage. Oil massage.

**Teaching and assessment:**

Theoretical presentation of lectures accompanied by a practical demonstration of masazhnite techniques. They worked during the practical exercises. Students are required 100% attendance of lectures and exercises for obtaining the certification. At the end of the semester to make two exam: theoretical and practical. Students need successfully completion of the theoretical exam in order to be admitted to the practical. The mark is an average of the scores of the two exams.

**SB10841 Orthopedics and Traumatology with Orthotics and Prosthetics****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Yordan Andonov, MD, PhD, Dept. of Public Health

tel.: +359 82 821 993, andonov@doctor.bg

**Abstract:**

Traumatology of the musculoskeletal system aims at introducing students to different kind of traumas of body parts and extremities, their clinical characteristics, treatment and functional rehabilitation. Students should acquire detailed knowledge on the mechanisms of traumas, pathological anatomy and methods for anatomical and functional recovering. In the part of "Orthopedic Diseases" students are introduced to the congenital abnormalities of the musculoskeletal apparatus, developmental and other diseases and deformities.

**Course content:**

Musculoskeletal traumas. Fractures – types, mechanism. Osseo-tissue recovering. Basic principles and treatment methods in traumatology. Complicated fractures. Traumas of upper and lower extremities. Vertebral traumas. Cranial and brain traumas, Chest traumas. Peripheral nerves traumatism. Essential methods of treatment in orthopedics. Congenital abnormalities of upper and lower extremity. Developmental abnormalities. Musculoskeletal diseases due to neural disturbances. Aseptic necrosis. Degenerative joint diseases. Rheumatoid joint diseases.

**Teaching and assessment:**

During the course of lectures students are introduced theoretically to the clinical characteristics of the most frequent traumas and the diversity of treatment methods, and with the classification of orthopedic diseases as well. Lectures are supported by multimedia presentations, X-ray pictures etc. Practical training is organised in clinical settings with demonstrations of thematic patients. The final course assessment is based on the results of examination on two questions chosen at random from the field of orthopedics and traumatology.

**SB10842 Physiotherapy in Orthopedics and Traumatology I****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Petya Parashkevova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: petia75@gbg.bg

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: ypashkunova@uni-ruse.bg

Sen. Assist. Prof. Aleksandar Andreev, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: aandreev@uni-ruse.bg

**Abstract:**

The aim of the course is to introduce students to the characteristics of the contemporary traumatism, pathological physiology of traumas and principles of the primary treatment of fractures. Additionally, students should be made familiar with the general aims, objects, principles and methods of applying physiotherapy in disorders of the musculoskeletal apparatus.

**Course content:**

Characteristics of the contemporary traumatism. Pathological physiology of traumas: osseo-tissue regeneration and pathology of fracture healing. Classification of fractures and principles of primary treatment. Physiotherapy of impairments of the Spine and Pelvic Girdle. Physiotherapy of upper and lower extremity fractures. Physiotherapy of upper and lower extremity amputations.

**Teaching and assessment:**

Lectures offer opportunity for students to get theoretically acquainted with the physiotherapy measures applied for the main groups of orthopedic and traumatic diseases. Lectures are supported by multimedia presentations, X-ray images as well as with demonstrations of specialized physiotherapy techniques and approaches, physiotherapy programs and therapeutic gymnastics examples. During the practical studies students apply academic knowledge on therapeutic exercise in different stages of recovering. Final exam is carried out on two questions from the studied field, chosen at random.

**Weekly classes:** 2 lec+0 sem+0 labs+2 ps**Type of exam:** written**SB10843 Natural, Preformed Physical Factors and Balneology II****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Kiril Panayotov, MD, PhD, Department of Medical and Clinical Diagnostic Activities

tel.:+359 821 993, e-mail: zkm@abv.bg

**Abstract:**

The discipline is fundamental to the preparation of the physical therapists. It aims to acquaint the students with the theoretical bases and practical methods for the application of natural and preformed physical factors for the purposes of prevention, treatment and medical rehabilitation. The kinesitherapeutic and physical factors must be considered in unity, be applied in parallel, which would greatly enhance their effectiveness.

**Course content:**

Natural physical factors. Water, paraffin, curative mud. Climate, solar radiation, seawater. Physical characteristic mechanism of physiological and curative effect of the studied factors, indications and contraindications, methods of their application. Balneology and balneotherapy /nature, origin, physical and chemical characteristics of mineral water, classification, methods of application, indications, proliferation of mineral waters in Bulgaria/. Some of the more commonly occurring disorders, which benefit from the application of the studied preformed and natural factors.

**Teaching and Assessment:**

Training is done through lectures and practical exercises. The current control on the assimilation of the material taught is done during the practical exercises. The students receive certification of the discipline on the basis of their presence during classes at regular and active participation in the learning process. The final mark of the course is based on a written exam on two questions, taking into account the results of the current control.

**Weekly classes:** 2lec+0sem+0labs+3ps**Type of exam:** written

**SB10852 Manual Mobilization Techniques of Peripheral Joints****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Prof. Petya Parashkevova, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: pparashkevova@uni-ruse.bg,

Sen. Assist. Prof. Aleksandar Andreev, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: aandreev@uni-ruse.bg

**Abstract:** The aim of the course is to develop the professional knowledge and skills of students in terms of the basics of manual therapy as part of professional competence of physiotherapist. Theoretical classes provide knowledge about the impact of manual mobilization maneuvers in joint disorders. During the practical exercises the students learn basic techniques for diagnosis and treatment of dysfunctions of the peripheral joints**Course content:** Basic concepts in manual therapy - motor segment, kinematic complex medical plane. Types of joint movements. Linear translation, distraction and compression. Convex-concave rule. Reasons for joint blockage. Factors limiting mobility in peripheral joints. Examination and diagnosis of articular dysfunctions. Technical prerequisites for manual mobilization of peripheral joints. Degrees of impact in joint mobilization. Indications and contraindications to joint mobilization.**Teaching and assessment:**

It is taught through lectures and practical exercises. Practical exercises are aimed at individual display techniques each student thanks to work in small groups. Current control is performed by the test. Authentication required course attendance and positive presentation of current tests. The final mark is based on a theoretical and practical examination.

**SB10845 Fieldwork IV****ECTS credits:** 11**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Petya Parashkevova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: pparashkevova@uni-ruse.bg

Assoc. prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: rdeleva@uni-ruse.bg

**Abstract:**

The course aims to get students acquainted with the practical application of the various methods of examination of the musculoskeletal system functions and determining rehabilitation potential of patients. The students are trained independently to make physiotherapy programs. They are trained in setting goals, objectives of the treatment program and the right approaches.

**Course content:**

Assessment of rehabilitation potential and physiotherapy program developing. Physiotherapy in trauma and fractures of the spine and the pelvic girdle. Physiotherapy after traumatic injuries of upper and lower extremities. Physiotherapy after amputations of upper and lower extremities.

**Teaching and assessment:**

Clinical fieldwork takes place in the department of physical therapy and rehabilitation, and the Department of Orthopedics and Traumatology of Hospital - Ruse. It begins with an oral discussion of theory. Students take a brief medical history and status of patients, perform necessary measurements and tests. Based on the results they develop physiotherapy programs which are discussed by the whole group in the presence of the teacher.

**Weekly classes:** 1lec+0sem+0labs+2ps**Type of exam:** written and practical**Weekly classes:** 0lec+0sem+0labs+13ps+ca**Type of exam:** written and practical

**S00072 Physical education and sport****ECTS credits: 1****Weekly hours: 2 pe****Assessment: colloquium****Type of examination: oral and practice****Department involved:**

Dept. of Physical training and sports, Faculty of Transport

**Lecturers:**

Ch.Assist. Valeri Yordanov PhD, Tel.: 082/888 652; E-mail: viordanov@uni-ruse.bg, Ch.Assist. Iskra Ilieva PhD, Tel.: 082/888 225, E-mail: isilieva@uni-ruse.bg; Ch.Assist. Ilian Ilchev PhD, Tel.: 082/888 225, E-mail: IL @abv.bg; Ch.Assist. Kamen Simeonov PhD, Tel.: 082/888 225, E-mail: simeonov kamen@abv.bg; Snr.lect. Milena Grigorova PhD, Tel.:082/888 652; E-mail: mgrigorova@uni-ruse.bg, lect. Pavel Kostov Tsolov, Tel.: 082/888 652; E-mail: ptsolov@uni-ruse.bg, lect. Angel Velizarov Pavlov, Tel.: 082/888 652; E-mail: apavlov@uni-ruse.bg, lect. Milena Ivanova Boteva, Tel.: 082/888 652; E-mail: mboteva@uni-ruse.bg, hon.lect Valentin Kamenarov, Tel.: 082/888 624, E-mail: ru-sport@uni-ruse.bg

**Abstract:**

The course builds the foundations of the system of motor skills, habits and knowledge of the technique and tactics of motor action in the sports of choice in students. The practical exercises included are directly related to the purpose and objectives of the training, namely: improving physical capacity, enhancing health and tempering the body of the trainees.

**Course Content:**

Introduction: Historical data of the appearance and development of the different sports. Theoretical knowledge and practical skills for the technique of fulfilling the different elements of the sports practiced. Tactical actions. Knowledge of rules.

**Teaching and assessment:**

Practical lessons are conducted in groups of students of different motional abilities (beginners and advanced), by applying individual and differentiated approach during training. Basic requirements of students' training are related to mastering knowledge, basic motor skills and habits, technical and tactical actions and rules of the chosen sport type. When forming the final assessment mark, regular attendance of lessons is considered. Subject of assessment are the basic technical skills, tactics and knowledge of rules and the participation of the students in regional and state competitions.

**SB10846 Clinical Placement II****ECTS credits: 4****Weekly classes: 0lec+0sem+0labs+11ps****Assessment: exam****Type of exam: written and practical****Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health  
tel.:+359 821 993, e-mail: ypashkunova@uni-ruse.bg

Sen. Assist. Prof. Aleksandar Andreev, PhD, Dept. of Public Health  
tel.: +359 821 993, e-mail: aandreev@uni-ruse.bg

**Abstract:**

The course aims to enable students to practically apply the acquired skills and knowledge so far in pathokinesiology, massage, natural and preformed physical factors, physiotherapy in orthopaedics and traumatology. Summer practice allows self are prepared kinesitherapeutical programs, set goals, objectives and define the means of physical therapy, which will be used to achieve them. Each student works individually with patients with orthopaedic and traumatic disorders such as lifted a brief history and status, perform the necessary measurements and tests, controls the exact and correct implementation of kinesitherapeutic procedures under the supervision of an appropriate specialist. By purpose kinesitherapy using the means and methods of work, which shall be well kinesitherapeutic programs.

**Module content:**

PT in orthopaedic and traumatic disorders. Application of different types of preformed physical factors and massage in orthopaedics and traumatology.

**Teaching and assessment:**

Summer internship clinical practice continuous 4 weeks. Held correspondingly approved hospital in the following clinical areas: orthopaedics and traumatology, physical medicine and rehabilitation. It represents the work of students under the guidance of a team of health professionals in relevant clinical areas and clinical instructor in physical therapy. Students taken a brief history and status, perform appropriate measurements and tests. Based on the results they produce kinesitherapeutical programs for patients with orthopaedic and traumatic disorders.

**SB10849 Internal Diseases****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. dr. Dobrin Vasilev, MSc, PhD, Dept. of Health Care, E-mail: divasilev@uni-ruse.bg

**Abstract:**

The discipline introduces students to internal diseases, causes for their appearance, the most important symptoms, the treatment and mainly the recovery principles. The course content includes general part for particular human body systems and a special one - for the most frequent internal diseases. Special attention is paid to cardiovascular, respiratory, digestive and urogenital systems, as well as to rheumatic and metabolic diseases, where the kinesitherapy has the most effective application. Sufficient knowledge in the anatomy, physiology and pathophysiology of these systems, as well as the basic means and methods of PT treatment are required.

**Course content:**

Internal diseases: main principles and treatment methods, indications and contra-indications. Socially significant diseases. Respiratory diseases. Cardiovascular diseases. Functional tests and methods for examination of the cardiovascular and the respiratory system. Digestive and urogenital diseases. Main metabolic and endocrine diseases. Rheumatic and degenerative joint diseases. Metabolic syndrome.

**Teaching and assessment:**

The lectures introduce theoretically the main internal diseases and their functional treatment. During the clinical practice, students become acquainted with the most frequent diseases. They learn to make anamnesis and observe the progress and treatment of internal diseases. The final procedure is a theoretical examination.

**SB10850 Physiotherapy of internal Diseases****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Stefka Mindova, PhD, Dep. of Public Health

tel.: +359 82821993, e-mail: smindova@uni-ruse.bg

**Abstract:**

The subject introduces students to the internal diseases, their etiology, main symptoms, methods of examination and assessment of the patient, principles of management; and on this basis - to the specialized physiotherapy methods applied to their management and rehabilitation. The studied matter includes a general part about aims of physiotherapy in a specific body system; and a Special Physiotherapy part concerning Physiotherapy of the more frequent internal diseases where physiotherapy has a most important and effective impact. It is necessary for students to be well acquainted with the anatomy of body systems, their physiology and pathologic physiology; as well as the basic physiotherapy means and methods. Indications and contraindications for physiotherapy and the capacity of patients for physical efforts, prevention of complications and disability and compensatory measures for maintenance and restoration of physical capacity, are some of the most important topics during the course of teaching.

**Course content:**

Physiotherapy of internal diseases - aim, subjects, forms of application, basic principles and methods, indications and contraindications, physical activity regimes. Functional tests and methods for assessment of cardiorespiratory system. Physiotherapy of the respiratory system diseases. Physiotherapy of the cardio-circulatory system diseases. Physiotherapy of the digestive system, liver and gallbladder diseases. Physiotherapy of kidney diseases. Physiotherapy of joint diseases (rheumatoid, degenerative).

**Teaching and assessment:**

Lectures are supported by image diagnostics examples, ECG examples, and clinical data of patients with internal diseases. Examples of physiotherapy programs for a given clinical cases are presented as well, aimed to support practical studies. Continuous assessment is based on discussions and practical studies on specified topics from internal diseases. The final assessment includes theoretical exam and presentation of physiotherapy programs for internal disease patients.

**Weekly classes:** 3lec+0sem+0tabs+2ps**Type of exam:** written**Weekly classes:** 3lec+0sem+0labs+3ps**Type of exam:** written

**SB14474 Physiotherapy in Orthopedics and Traumatology II****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Petya Parashkevova, MSc, PhD, Dep. of Public Health

tel.: +359 82821993, e-mail: petia75@gbg.bg

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: ypashkunova@uni-ruse.bg

Sen. Assist. Prof. Aleksandar Andreev, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: aandreev@uni-ruse.bg

**Weekly classes:** 1 lec+0 sem+0 labs+2 ps**Type of exam:** written**Abstract:**

The part of Orthopedic Diseases aims at introducing students to the physiotherapy problems, methods and means in the management of different diseases of the musculoskeletal system as congenital developmental abnormalities of lower and upper extremity. Special attention is paid to the training of students in the field of physiotherapy with children and adolescents: spine deformities, chest deformities, splayfoot etc. Inflammatory and degenerative joint diseases are discussed during the course of study.

**Course content:**

Congenital abnormalities of the upper and lower extremities. Spine deformities. Physiotherapy of joint diseases. Physiotherapy of degenerative spine diseases. Physiotherapy of degenerative diseases of bigger joints.

**Teaching and assessment:**

Thematic lectures present opportunities for students to become theoretically acquainted with the classification of orthopedic diseases and specialized physiotherapy methods in their management. Lectures are supported by multimedia presentations, X-ray pictures; and by practical demonstrations of physiotherapy techniques, approaches, programs, therapeutic gymnastics examples. During the practical sessions students transferred theoretical knowledge in practical experience of therapeutic gymnastics in different stages of recovering. The final exam includes two questions chosen at random from the area covered by the course of studies.

**SB10874 Muscle Techniques and Mobilization of Peripheral Nerves****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: rdeleva@uni-ruse.bg

Sen. Assist. Prof. Alexandar Andreev, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: aandreev@uni-ruse.bg

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written and practical**Abstract:**

The course "Muscle techniques and mobilization of peripheral nerves" is an important part of the training of specialists in the field of Physical therapy. The nervous system is a complex network of nerves that regulate the activity of the body by sending messages to and from the brain and spinal cord. It is a structure that slides and moves when we perform movements. Reasons such as prolapsed intervertebral disc, inflamed joints and muscle spasms and drainage areas that interrupt normal movement of nervous tissue causes pain, reduces blood flow in the nerve and the relocation of the myelin sheath. Mobilization of peripheral nerves is a technique that helps to return the mobility of nerves through the use of a gentle technique in order to release the specific compromised nerve from surrounding tissues.

**Course content:**

Essence and basic terminology. Functional biomechanics of the nervous system. Indications and contraindications for the use of the manual mobilization of peripheral nerves. Diagnostic methods for determining neurodynamics - norm and pathology. Diagnostic methods for determining the neurodynamics - tensile testing of the lower limbs, trunk and upper limbs. Diagnostic methods for determining neurodynamics - palpation. Classification of damage to the peripheral nerves. Therapeutic characteristics of mobilization of peripheral nervous structures. Behaviour acute, subacute and chronic neurological processes. The most frequent damage to the peripheral nerves and techniques for the application of the manual mobilization.

**Teaching and assessment:**

The material is presented to students in the form of lectures, enriched with practical examples. The workshops are conducted in a clinical setting with actual cases.

**SB10875 Social Medicine, Social Rehabilitation and Health Promotion****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Dr. Nikola Sabev, MD,DSc, Dept. of Medical and Clinical Diagnostic Activities,

tel: +359 82 834 514, e-mail: nsabev@uni-ruse.bg

**Abstract:**

The course is based on the eternal importance of the subject and aims introduction to the health systems in the world and the specific features of the health care in Bulgaria, as well as learning basic concepts and principles of modern theory of regulation of health systems and processes. The course provides theoretical and practical foundations for the formation of qualified professionals, adequate to the reality, familiar with the principles of functioning, interaction, financing and maintenance of the complex and diverse health system in its different forms of ownership and management.

**Course content:**

Students acquire knowledge in basic formulations applicable to healthcare; basic concepts of health and disease; patterns and trends of public health; new management strategies in the healthcare activities and roles of the future specialists in educating individuals and population groups about healthy lifestyles.

**Teaching and assessment:**

The main form of conducting of the classes is a lecture course. Lectures include conversations, active and interactive discussion forums and research of documents. Multimedia presentations and other visual materials are used. The methodology includes demonstration of a specific problem; solving of model and situational case studies and appropriately selected practical tasks which illustrate and specify the theoretical material. There are two control procedures through a written test and an interview. 100% attendance of lectures, passing control procedures and participation in class discussion is required. The final assessment is based on a written exam, interview on the learning material. Results of current monitoring and participation in the discussions during the sessions are taken into account.

**Weekly workload:** 2lec+0sem+0labs+0p**Type of exam:** written**SB10858 Physiotherapy in Surgery****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Petya Andreeva Parashkevova, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: pparashkevova@uni-ruse.bg

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: ypashkunova@uni-ruse.bg

**Abstract:**

The course aims to introduce students to general goals, objectives, principles and methods of application of physiotherapeutic treatments for these diseases. The principles of building physiotherapeutic programs in diseases of the blood vessels, neck, abdomen, organs in thoracic and abdominal cavity, urological diseases.

**Course content:**

Characteristics of physiotherapy in surgical diseases. Physiotherapy for diseases of the blood vessels. Physiotherapy in surgical diseases of the lung, esophagus, stomach and duodenum. Physiotherapy after operations on hernias, liver and gall bladder, the colon. Physiotherapy in surgical diseases of the genitourinary system

**Teaching and assessment:**

Theoretical presentation of lectures illustrated with multimedia. Monitoring is done through oral interviews in the course of teaching and writing test. For certification requires 50% attendance at the lectures and 100% attendance of practical exercises. The mark is formed by laying the theoretical exam.

**Weekly classes:** 2lec+0sem+0labs+1ps**Type of exam:** written

**SB10853 Fieldwork V****ECTS credits:** 11**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Ivelina Stoyanova-Raeva, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: istefanova@uni-ruse.bg

Assoc. Prof. Irina Karaganova, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: ikaraganova@uni-ruse.bg

**Abstract:**

The discipline aims to get the students acquainted with the types of treatment and rehabilitation, and practical application of physiotherapy methods to orthopaedic and internal diseases. Applying preciously acquired knowledge in orthopaedy, internal diseases, MMT, goniometry, fundamentals of kinesiology and physiotherapy, students learn to make anamnesis and status, and to perform measuring and tests as needed in the concrete clinical case. Based on the obtained results students develop skills in determining each patient's rehabilitation potential and developing a physiotherapy program.

**Course content:**

Physiotherapy in congenital hip joint dislocations, foot deformities, scoliosis, torticollis, baby's brachial plexus paralysis, total arthroplasty, shoulder joint peri-arthritis. Physiotherapy for inflammatory and degenerative joint diseases. Gait abnormalities and methods to identify them. Physiotherapy for bronchial asthma, chronic obstructive pulmonary disease and pulmonary tuberculosis. Physiotherapy for chronic cardiovascular insufficiency and arterial hypertension.

**Teaching and assessment:**

Practical classes are carried out at specialized clinical education placements. At the end of the sessions raised issues are discussed. The continuous assessment is formed on the basis of an oral examination, written tests and teachers' observation during the term, as well as a course assignment, which aims to develop skills for working with scientific medical literature, interpreting gathered data from the examination and developing physiotherapy programs.

**SB10856 Neurology****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Neli Stefanova Petrova, MD, PhD, Dept. of Medical and Clinical Diagnostic Activities

tel.: +359 0887232440, e-mail: npetrova@uni-ruse.bg

**Abstract:**

The aim of the course is to introduce students to the descriptive and functional anatomy of nervous system, the symptoms and syndromes of neurological injuries, the principles of topical diagnosis, and the medical methods, supporting and verifying the diagnosis of neurological disorders. The special part acquaints students with the clinic and therapy of neurological disorders, classified according to etiopathogenetic principles. Previous knowledge in anatomy and physiology of the nervous system is necessary. Practical exercises focus attention on traumas and disorders of the central and peripheral nervous system, where physiotherapy is most widely applied. The discipline forms and develops the basis of clinical reasoning as a logical foundation for developing and implementing physiotherapy intervention with a particular patient.

**Course content:**

General concepts of anatomy and physiology of the nervous system. Peripheral nervous system. Central nervous system – brain and spinal cord, conductive systems. Movement and coordination. Main symptoms and syndromes in their disorders. Sensuousness. Clinical topic syndromes. Laboratory methods for diagnostics of neurological disorders. Inflammatory and vascular disorders of the nervous system. Tumors and traumas of the nervous system. Systemic dystrophic disease of the nervous and muscular systems. Central and peripheral nervous system disorders. Epilepsy. Functional disorders of the nervous system.

**Teaching and assessment**

The lectures aim to present the theoretical foundations of the functional treatment of different neurological disorders. During practicals students observe and try out methods of neurological examination with patients. Theoretical preparation on the topic is requested. Continuous assessment is carried out through discussions, inquiries and clinical cases. Regular attendance of lectures and minimum 90% attendance of exercises are required. Final grade is based on a written and oral examination on two questions from the questionnaire.

**Weekly classes:** 0lec+0sem+0labs+13ps+ca**Type of exam:** written and practical**Weekly classes:** 3lec+0sem+0labs+2ps**Type of exam:** written



**SB10857 Physiotherapy in Neurological and Mental Diseases I****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Stefka Mindova, PhD, Dep. of Public Health

tel.: +359 82821993, e-mail: stef\_mind@abv.bg

Assoc. Prof. Irina Karaganova, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: ikaraganova@uni-ruse.bg

**Abstract:**

The discipline is obligatory in the general curriculum of Physical Therapy. Its aim is to enrich the professionalism and develop specific competencies of students for practical and scientific work in the field of rehabilitation of patients with neurological diseases. The course is based on student knowledge obtained from each basic medical science, as well as various private branches of neuroscience - neuroanatomy, neurophysiology, neuroimmunology, neuropsychology and others.

**Course content:**

Principles of PT in neurological diseases; Clinical Reflexology - normal and pathological reflexes and their importance for PT practice; Symptoms and syndromes in damage to the systems regulating muscle tone and providing movement - central and peripheral damage; PT in cerebral vascular disease; PT in inflammatory diseases of the central nervous system; PT at systemic dystrophic diseases of the CNS; PT in cranial and spinal injuries; PT in cerebral palsy.

**Teaching and assessment:**

Lectures offer opportunity for students to get theoretically acquainted with the physiotherapy measures applied for the main groups of neuro and mental diseases. Lectures are supported by multimedia presentations, X-ray images as well as with demonstrations of specialized physiotherapy techniques and approaches, physiotherapy programs and therapeutic gymnastics examples. During the practical studies students apply academic knowledge on therapeutic exercise in different stages of recovering. Final exam is carried out on two questions from the studied field, chosen at random.

**Weekly classes:** 2 lec+0 sem+0 labs+2 ps**Type of exam:** written**SB10848 Massage III****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: rdeleva@abv.bg,

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: ypashkunova@uni-ruse.bg

**Abstract:**

The aim of the course is students to learn the theory and practice of therapeutic massage that is more and more application and is closely integrated with medical rehabilitation. Physiotherapist should know the indications and contraindications for the application, to be aware of the physiological effects of different techniques on the human body, to perform them correctly and competently in different diseases.

**Course content:**

Massage in surgical diseases. Massage at Massage injuries in cardiovascular and respiratory diseases. Massage for diseases of the peripheral and central nervous system.

**Teaching and assessment:**

Theoretical presentation of lectures accompanied by a practical demonstration of massage techniques. They worked during the practical exercises. Students are required 100% attendance of lectures and exercises for obtaining the certification. At the end of the semester to make two exam: theoretical and practical. Students successfully performing the theoretical exam to be admitted to the practical. The theoretical and practical exam consists of two questions. The rating is an average of the scores of the two exams.

**Weekly classes:** 1lec+0sem+0labs+2ps**Type of exam:** written and practical

**SB10872 Adapted Physical Activity****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Irina Karaganova, PhD, Department of Public Health

tel.: +359 82 821 993, e-mail: [ikaraganova@uni-ruse.bg](mailto:ikaraganova@uni-ruse.bg)**Abstract:**

The course introduces students to the field of Adapted Physical Activity as a mean of Psychomotor Rehabilitation and social integration of people with disabilities. Educational content describes Adapted Physical Activity based on the principles of Adaptation Theory and the model Person-Action-Environment; International Classification of Functioning, Disability and Health; Humanistic Philosophy; contemporary Sociology and Ecology. The aim of education is to equip students with professional attitudes and present opportunities for use of appropriate adapted physical activity and sport for people with various disabilities from different age groups, to further specialization and career in this field.

**Course content:**

Introduction and Bases of Adapted Physical Activity. Adapted Physical Education – nature, goals, organisation, personnel, planning. Inclusion and Adapted Physical Activity/Adapted Physical Education. Recreational and elite sports for persons with disabilities. Adapted Physical Activity and Sports in rehabilitation. Adapted Physical Activity and Sports in chronic diseases and permanent damage leading to disability. Features of Adapted Physical Activity in early and advanced age. Adapted Physical Activity and Sports – management, social inclusion and integration, legislation.

**Teaching and Assessment:**

Training consists of lectures and self-study. Continuous guidance and assessment of students is done through discussions and treatment sessions with patients. Attendance and active participation in lectures, development and on time submission of written assignments are required. The final mark is based on the outcome of written examination and ongoing discussion.

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written**SB10825 Occupational Therapy****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)

Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course introduces the essence and philosophy of occupational therapy to students in physiotherapy with the aim to prepare them for effective multidisciplinary work. Basic concepts and widely used theoretical and therapeutic models and frames of reference are discussed, especially those applied in physiotherapy. Specific approaches applied with the main service user groups in occupational therapy, such as children and adults with physical, psychosocial and mental disabilities and elderly, are presented.

**Course content:**

Occupational therapy as a profession. Basic concepts. Client-centred approach. Theoretical models and frames of reference. Occupational Performance Process Model (OPPM) – general characteristics and stages. Therapeutic media in occupational therapy. Occupational therapy in pediatrics and geriatrics, for physical disabilities, mental health and learning disabilities.

**Teaching and assessment:**

Theoretical presentation is supported by up-to-date presentation methods, such as multimedia presentations, movies, examples from practice. The course stimulates and requires active participation of the students. Continuous assessment is based on the attendance and contribution to group discussions. Regular attendance at contact hours (80%) and active participation are required. Final grade is based on a written test, assessed with 100 points.

**Weekly classes:** 2lec+0sem+0labs+0ps**Type of exam:** written

**SB10844 Hygiene and Ecology****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Margaritka Filipova, PhD, tel.: +359 888418; e-mail: mfilipova@uni-ruse.bg

Assoc. Prof. Nikola Sabev, PhD, e-mail: nsabev@uni-ruse.bg

**Abstract:**

The main purpose of the training of Hygiene and Ecology is learning theoretical knowledge on hygiene related bits, labor and human nutrition, respectively, the adolescent and the influence of environmental factors on human health and performance.

**Course content:**

Course includes the following modules: subject and tasks; environmental factors; hygiene and environmental air, water, settlements and housing, climate and climatotherapy; food hygiene; incidence and relation to environmental factors; factors in the work environment.

**Teaching and assessment:**

The main forms of teaching classes are lectures. Lectures are held in the auditorium, equipped with visualization tools. A test is held to check and evaluate the curriculum of lectures. The final grade is based on a written exam.

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written**SB10877 Fieldwork VI****ECTS credits:** 12**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Stefka Mindova, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: smindova@uni-ruse.bg

Assoc. Prof. Irina Karaganova, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: karaganovai83@abv.bg

**Abstract:**

The discipline aims to acquaint students with the typical characteristics and specific physiotherapy methodology in neurological disorders. Students master skills in assessing of the neurological status and the relevant physiotherapy treatment methods. The clinical and functional recovery of the patients is followed up and changes in the treatment plan are made when necessary. Knowledge in anatomy of the nervous system, general and special neurology, kinesiology and physiotherapy is applied in developing the physiotherapy programs.

**Course content:**

Physiotherapy for central and peripheral motor neurons disorders - kinesiological analysis of contractures and gait, physiotherapeutic methods for functional assessment of peripheral and central paralyzes. Physiotherapy for lumbar and sacral radiculitis; impairments of the lower limb nerves; discal hernia at different levels of the spinal cord. Physiotherapy in cervical and brachial radiculitis, plexitis, birth paralysis and impairments of the upper limb nerves. Physiotherapy for nervus facialis neuritis, polyneuritis, and polyneuropathies. Physiotherapy for vascular diseases. Physiotherapy after surgery interventions in the thoracic and abdominal cavity. Physiotherapy of burns and wounds.

**Teaching and assessment:**

The clinical practice is carried out at the different departments. Students work individually with patients with different clinical conditions. On the basis of the results, they develop physiotherapy programs, which are discussed by the whole group. Continuous assessment is carried out through oral discussions and written tests. Regular attendance of practices and presentation of the course assignment are required. The final grade is based on an oral examination, written tests and observation during the practical training.

**Weekly classes:** 0lec+0sem+0labs+15ps+ca**Type of exam:** written and practical

**SB10864 Eastern Therapeutic Techniques****ECTS credits:** 2**Assessment:** exam**Department involved:**Department of Public Health,  
Faculty of Public Health and Health Care**Lecturers:**Assoc. prof. Petya Parashkevova, PhD, Dept. of Public Health,  
tel: +359 82 888 222, e-mail: pparashkevova@uni-ruse.bg  
Senior lecturer Vihren Pejchev, Dept. Physical Education and Sport**Abstract:**

The aim of the course is to develop in students the professional knowledge and skills on the eastern therapeutic techniques, in particular Yumeiotherapy and enrich their professional competence. Theoretical classes provide knowledge about the impact of Yumeiotherapy. During the practical exercises the students learn basic techniques for diagnosis and mobilization of muscles.

**Course content:**

Introduction to Eastern therapeutic techniques. Historical data. Research and diagnosis of pathological changes in the musculoskeletal system. Relations between the center of gravity and the autonomic nervous system. Indications and contraindications Yumeiho therapy. Reasons for the occurrence of pathological changes in the musculoskeletal system. Basic massage techniques. Techniques for manipulation and effects of them. Guidelines on the application of massage private training gymnastics.

**Teaching and assessment:**

It is taught through lectures and practical exercises. Practical exercises are aimed at individual display techniques each student thanks to work in small groups. Current control is performed by the tests. Authentication required course attendance and positive presentation of current tests. The final mark is based on a theoretical and practical examination.

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written and practical**SB10863 Techniques for Positioning and Transfers****ECTS credits:** 2**Assessment:** exam**Department involved:**Department of Public Health,  
Faculty of Public Health and Health Care**Lecturers:**Prof. Daniel Bratanov, PhD, Dept. of Public Health,  
tel.: +359 82821993, e-mail: dmbratanov@uni-ruse.bg**Abstract:**

Correct positioning of the patient is essential for the effectiveness of the therapy and the sustainability of the obtained results. Selection of appropriate methods for positioning and transfers should take into consideration patient's actual health condition, his preferences and the available resources. The aim of the education is to develop students' skills for assessment, selection and application of techniques for positioning and transfers that are adequate to the patient's condition and in compliance with legal and safety requirements.

**Course content:**

Overview of the principles of biomechanics and kinesiology in the human posture and movement. Risk factors and safety principles for caregivers. Assessment of problems in positioning and transfers. Overview of the methods and equipment for active and passive positioning and transfers. General principles for selection of equipment. Maintaining proper sitting position – principles, methods and equipment. Manual transfers. Transfers using adaptive equipment. Training of parents and caregivers. Standards and requirements for adaptive equipment and accessibility.

**Teaching and assessment:**

Lectures are supported with multimedia presentation of techniques for positioning and transfers, as well as with demonstration of particular techniques by the lecturer. During exercises each student has the opportunity to practice the demonstrated techniques. Continuous assessment is based on the students' performance during lectures and practicals. The education ends with a practical test. Attendance at more than half of the lectures and not more than two absences from practicals are required. Final grade is based on a theoretical and practical exam.

**Weekly workload:** 1l+0sem+0labs+1ps**Type of exam:** written and practical

**SB10866 Clinical Placement III****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: ypashkunova@uni-ruse.bg

Sen. Assist. Prof. Aleksandar Andreev, PhD, Dept. of Public Health

tel.: +359 821 993, e-mail: aandreev@uni-ruse.bg

**Abstract:**

The course aims to enable students to practically apply the acquired skills and knowledge so far in manual mobilization of peripheral joints, massage, physical therapy in obstetrics and gynaecology, physiotherapy in neurology, physiotherapy in internal medicine, physiotherapy in surgery. Summer practice allows self-prepared kinesitherapeutical programs, set goals, objectives and define the means of physical therapy, which will be used to achieve them. Each student works individually with patients with neurological, internal, surgical, gynaecological diseases such as lifted a brief history and status, perform the necessary measurements and tests, controls the exact and correct implementation of kinesitherapeutic procedures under the supervision of an appropriate specialist. By purpose kinesitherapy using the means and methods of work, which shall be well kinesitherapeutic programs.

**Module content:**

PT in neurological, internal, surgical, gynaecological diseases. Application of different types kinesitherapeutical methods in these diseases.

**Teaching and assessment:**

Summer internship clinical practice continuous 4 weeks. Held correspondingly approved hospital in the following clinical areas: neurology, internal medicine, surgery, obstetrics and gynaecology, physical medicine and rehabilitation. It represents the work of students under the guidance of a team of health professionals in relevant clinical areas and clinical instructor in physical therapy. Students taken a brief history and status, perform appropriate measurements and tests. Based on the results they produce kinesitherapeutical programs in patients with the disease.

**Weekly classes:** 0lec+0sem+0labs+45ps**Type of exam:** written and practical**SB10869 Physiotherapy in Neurological and Mental Diseases II****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Stefka Mindova, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: smindova@uni-ruse.bg

Assoc. Prof. Irina Karaganova, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: karaganovai83@abv.bg

**Abstract:**

The discipline "Physiotherapy in Neurological and Mental Diseases" - part II is a logical continuation of Part I of the same discipline. The lectures give students the opportunity to get acquainted with the main issues in functional recovery in diseases of the peripheral nervous system and in the treatment of functional disorders of the nervous system. Discipline adds to the volume of knowledge; students are extended interdisciplinary links between physiotherapy and private individual branches of neuroscience - neurophysiology, neuropsychology, clinical reflexology and others.

**Course content:**

Functional disorders of the nervous system: PT in some neuroses and psychoses; PT in diseases of the peripheral nerves – main goals, tasks, resources according to the degree of damage; PT in neuritis of the facial nerve; PT in damage to the brachial plexus and individual spinal nerves of the upper limb; PT in lumbar-sacral radiculitis and damage to the individual spinal nerves of the lower limb; PT in polyneuropathy.

**Teaching and assessment:**

Lectures offer opportunity for students to get theoretically acquainted with the physiotherapy measures applied for the main groups of neuro and mental diseases. Lectures are supported by multimedia presentations, X-ray images as well as with demonstrations of specialized physiotherapy techniques and approaches, physiotherapy programs and therapeutic gymnastics examples. During the practical studies students apply academic knowledge on therapeutic exercise in different stages of recovering. Final exam is carried out on two questions from the studied field, chosen at random.

**Weekly classes:** 2lec+0sem+0labs+2ps**Type of exam:** written

**S03995 Pediatrics****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. dr. Svilen Dosev, MD, PhD, Dept. of Medical and Clinical Diagnostic Activities

tel.: +359 82821993, e-mail: sdosev@uni-ruse.bg

**Abstract:**

The lectures aim to present essential morphologic and functional characteristics of the child development from intrauterine and neonatal period till the end of puberty and adolescence. The pathology of all ages with accent on pathophysiologic mechanisms and contemporary therapeutic and prophylactic methods is followed. The place and potential of physiotherapy in children age, focused on prevention of the physical and psychic retardation of sick children, as well as achieving the maximum of their normal development, education and professional orientation, is stressed. Expected outcomes are that students will be able to understand the causes, pathology, etiology, symptoms, complications, diagnoses and therapy of most widespread diseases.

**Course content:**

Pediatrics – subject, main therapy trends. Anatomic and physiologic characteristics of the child development in different age periods. Nutrition and prophylaxis. Characteristics of heredity and congenital diseases. Diseases of the newborn and prematurely born babies. Puberty - characteristics of the psychical and physis development. Diseases of the respiratory, cardio-vascular digestive, urinary, nervous and musculoskeletal system in child and juvenile ages. Diseases of the blood and hemopoetic organs. Metabolic diseases, immunity and immunodeficiency conditions. Congenital virus infections.

**Teaching and assessment:**

The lectures are presented in an easily accessible way with audio-visual illustrations and possibility for summarizing of essential parts. Active participation of students through solving case studies and discussions on issues of particular interest is stimulated. Continuous assessment is carried out through discussions in the process of education. Minimum 75% attendance of lectures is required. The final grade is based on the individual work during the semester, a written examination and an oral discussion.

**SB10871 Physiotherapy in Pediatrics****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Irina Karaganova, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: karaganovai83@abv.bg

Assoc. Prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: rdeleva@abv.bg,

**Abstract:**

The discipline is basic for physiotherapy students, because most of their work in specialized health units is with children and adolescents with different pathology. The educational methodology includes studying of the main principles, methods and means of physiotherapy in pediatrics. Characteristics of the child development during puberty, as well as the impact of physiotherapy on different organs and systems in child and juvenile age, is described. Students get acquainted with the main tasks, principles, indications and contraindications when working with toddlers, children and adolescents.

**Course content:**

Characteristics of the child development in different age periods. Developmental deviations. Physiotherapy for respiratory diseases (chronic bronchitis, bronchial asthma), diseases of the cardio-vascular system (congenital valvular disease, acute rheumatic fever, juvenile hypertonia), of the nervous system (cerebral palsy, brachial plexus birth injury) and of the locomotor system (spine and chest deformities, pes planus). Physiotherapy in obesity.

**Teaching and assessment:**

The lectures are presented in an interactive form, accompanied by demonstrations of special techniques and exercises. Physiotherapy programs and complexes for therapeutic gymnastics for some rare diseases are presented. During practicals the students put into practice the acquired knowledge and therapeutic complexes for disorders in child and juvenile age. Under the teacher's supervision they developed and implement in practice physiotherapy programs. The continuous assessment is conducted through discussion. Minimum 50% attendance at lectures and 90% at practicals is required. The final grade is based on a written theoretical examination on two questions from the field of study.

**SB10861 Basics of Research Work****ECTS credits:** 2**Assessment:** exam**Departments involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Boryana Todorova, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: btodorova@uni-ruse.bg

**Weekly workload:** 2lec+0sem+0labs+0p**Type of exam:** written**Abstract:**

The purpose of the course is that students should acquire knowledge about the nature, role and significance of scientific research in contemporary society and their future profession. They get to learn about its methodology, the peculiarities of planning, organization and its various forms, scientific research implementation, requirements for different types of scientific publications, criteria and indicators for evaluation obtained results and develop appropriate skills and attitudes. The course prepares students for participation in research teams under the guidance of a teacher, directing them to the proper use of scientific literature.

**Course content:**

Science and scientific knowledge. Object and subject in science. Historical development. Differentiation and integration of scientific knowledge. Science and social development. Objective and subjective factors and prerequisites for research. Essence, functions and levels of methodological knowledge. Methods of knowledge – general and specific, theoretical and empirical. Organization and forms, planning and conducting research. Objectivity, reliability and validity of empirical data. Presentation of results. Types of scientific publications. Bibliography on the topic. Language and style. Editing. Criteria and indicators for evaluating the results of research.

**Teaching and assessment:**

In lectures talk, discussions are applied. Appropriate techniques and teaching materials are used as well. Practical tasks (individual or team) are assigned. The current control is achieved on the basis of task performance, taking into account cognitive activity and autonomy and the individual responsibility of the students. The final grade is formed by the overall assessment of the current control and the mark of the exam.

**SB10873 Physiotherapy in Geriatrics****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. prof. Irina Karaganova, PhD, Department of Public Health

tel.: 082 821 993, e-mail: ikaraganova@uni-ruse.bg

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written**Abstract:**

The subject is particularly relevant to the demographic and epidemiological characteristics and global trends of increasing population of elderly. The importance of proper and adequate motor activity in prevention of premature aging and diseases in elderly as well as physiotherapy in prevention, treatment and comprehensive rehabilitation of the most common illness syndroms, diseases and disabilities in elderly, are explained. The aim of education is to equip students with professional attitudes, knowledge and skills to use appropriate means and methods of Physiotherapy with patients in advanced and old age.

**Course content:**

The course of lectures covers: Introduction to Gerontology and Geriatrics. Aging as a biological process, Aging and Physical Activity. Physiotherapy in Geriatrics – main areas: Characteristics of Physiotherapy of geriatric patients with different diseases. Physiotherapy of Osteoporosis, Incontinence, Senile Psychoses and Neuroses.

**Teaching and Assessment:**

Training consists of lectures and self-study. The course of lectures is supported by contemporary audiovisual equipment. Continuous guidance and assessment of students is done through discussions and written tests. The final mark is based on the outcome of ongoing discussion and written examination.

**SB10859 Physiotherapy in Obstetrics and Gynecology****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Petya Parashkevova, PhD, Dept. of Public Health

tel.: +359882895149, e-mail: pparashkevova@uni-ruse.bg

Sen. Assist. Prof. Yuliana Pashkunova, PhD, Dept. of Public Health

tel.: +359 82821993, e-mail: ypashkunova@uni-ruse.bg

**Abstract:**

During the lectures, students get acquainted with the general goals, objectives, principles and methods of application of physiotherapy in obstetrics and gynecology. In different topics set out the principles of building physiotherapeutic programs in various gynecological diseases during pregnancy and in the postnatal period.

**Course content:**

Anatomo-physiological characteristics of women. Principles for implementation of physiotherapy in obstetrics and gynecology. Indications and contraindications. Common methods of physiotherapy - periods means forms. Normal pregnancy. Physiotherapy in the normal course of pregnancy. Physiotherapy in pathological course of pregnancy. Physiotherapy in the postnatal period after a normal birth. Physiotherapy after cesarean section and episiotomy. Physiotherapy gynecological diseases. Physiotherapy after gynecological surgery in women. Massage Therapy in menopause.

**Teaching and assessment:**

The lectures are presented so as to create the habits and skills of students in applying physiotherapeutic procedures for prevention and treatment of major gynecological diseases in normal and pathological course of pregnancy, after birth naturally or surgically. Monitoring is done through oral interviews in the course of teaching and writing test. For certification requires 50% attendance at the lectures and 100% attendance of practical exercises. The mark is formed by laying the theoretical exam.

**SB10860 Social and Health Legislation****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Public Law Department

Faculty of Law

**Lecturers:**

Assoc. Prof. Elitsa Kumanova, PhD, Public Law Department

tel.:+359 888 434, e-mail:ekumanova@uni-ruse.bg

**Abstract:**

The aim of the course "Social and health legislation" is to provide the students knowledge of: law acts regulating social security and health insurance system; state policy in the field of health and social system; the structure of the health system; system of social security and social protection; welfare state, European Social Model

**Course content:**

Course content is structured in three sections.

The first section includes health legislation: Structure of the health care system, the legal framework of medicine institution, health information, personal data protection, legal status of the patient, informed consent, involuntary treatment.

The second section includes labour and social security legislation: Labour Code, the concept of welfare state, European social model, social security and health insurance.

The third section includes the legal regime of social support: the right of social assistance, social assistance, and social services.

**Teaching and assessment:**

Lectures in the conventional way, focusing on key issues and highlighting the links in the department of the basic ideas in order to get a general idea of the topic being studies. Students are required active account dialogue ability to participate in the discussion, argumentation analysis and making generalizations.

**Weekly workload:** 1lec+0sem+0labs+0p**Type of exam:** written



**SB10877 Fieldwork VII****ECTS credits:** 12**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Irina Karaganova, PhD, Dept. of Public Health,

tel.: +359 82821993, e-mail: ikraganova@uni-ruse.bg

Sen. Assist. Prof. Denitsa Vasileva, PhD, Dept. of Public Health,

tel.: +359 82821993, e-mail: ddechewa@uni-ruse.bg

**Abstract:**

Fieldwork VII is a practical discipline focused on reinforcing the theoretical knowledge and acquisition of practical skills for application of physical therapy in diseases and injuries of the nervous system. It takes place at specialized centers for clinical training on Physical and Rehabilitation medicine, General and vascular neurology and Neurosurgical. The discipline aims to deepen and broaden the theoretical and clinical knowledge of students about the anatomy and the physiology of the nervous system, the methods of examination, treatment and rehabilitation of patients with different neurological diseases. At the same time provides opportunities for effective professional preparation through training in neurorehabilitation methods in a real hospital environment.

**Course content:**

The educational content covers the fifteen topics for the methods of application of physical therapy at some of the most common neurological diseases in practice. The focus of the practical training is placed on the specifics of application of the kinesitherapy in patients with Parkinson's syndrome, multiple sclerosis, cerebrovascular diseases, tumors and traumatic injuries of the brain and spinal cord. Also included are practical exercises in kinesitherapy at neuro-muscular diseases, cerebral palsy, Down syndrome, autism and other anatomical and functional nervous disorders.

**Teaching:**

During the training, students learn basic methods and tools of kinesitherapy at neurologically ill. The assessment of learning outcomes is done through current control and practical exam. The current control includes interviews, coursework and elaboration of kinesitherapeutical programs. The practical exam is held at the end of the course and includes a demonstration of acquired practical skills to apply physiotherapy at nervous system diseases.

**Weekly classes:** 0lec+0sem+0labs+15ps+ca**Type of exam:** written and practical**SB10878 Neurophysiological Physiotherapy Methods****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturer:**

Assoc. Prof. Radoslava Miteva-Georgieva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: rdeleva@uni-ruse.bg

**Abstract:**

The course gives students the opportunity to be familiar with the philosophy and techniques of some world famous neurophysiological specialized kinesitherapy methods with proven clinical efficacy in various diseases. The course aims to give students professional perceptions and attitudes to use the opportunities of suitable specialized kinesitherapy methods for people with various disabilities and disability in different age groups with a view to future specialization and professional development in this area.

**Course content:**

Specialised PT methods – types according to the philosophy of therapeutic approach. Proprioceptive Neoromuscular Facilitation (PNF). Bobath Method (NDT). Method of McKenzie - nature, history, principles, techniques. Psychomotor Physiotherapy – nature, application. Methods based on learning and teaching approaches. Other specialised PT methods.

**Teaching and assessment:**

The training includes lectures, practical studies, controlled self-study. The lecture course uses modern audiovisual equipment. Monitoring is through oral interviews and observations during the practical studies. The final assessment is the outcome of ongoing discussion and written and practical exam.

**Weekly workload:** 1lec+0sem+0labs+1ps**Type of exam:** written and practical

**SB10879 Basics of Sport Medicine****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Padoslava Miteva-Georgieva, MSc, Dept. of Health

tel.: +359 82821993, e-mail: rdeleva@uni-ruse.bg

**Abstract:**

Sports medicine is a domain of the medical science and practice, developed on the borders between medical and non medical sciences. It aims to evaluate, control, protect and enhance health, physical development, functional state and sports capacity of persons, actively occupied with physical exercise and sports.

**Course content:**

Subject, objectives and organization of sports medicine. Sports and medical insurance at sports competitions. Physical development and physical capacity of human beings. Basis of functional diagnostics. Clinical and functional examination of the nervous, respiratory and cardio-vascular system. Sports traumatology. Injuries and diseases of the muscles, tendons and bones. Acute and chronic overload during sports. Doping and doping control. Sports and medical problems of preschool and school age children, adults and elderly, actively engaged in sports. Sports and medical problems of mass sport.

**Teaching and assessment:**

Teaching is conducted through lectures and practical, applying up to date interactive methods. Presented topics provide opportunity for theoretical and practical introduction to the specific changes in persons, actively engaged in sports, to clinical and functional examinations, to most frequent traumas and the variety of treatment methods, as well as to sports medicine standards. Practicals include demonstration of methods, tests and assessments and developing of a diagnostic and therapeutic plan. Continuous control is carried out through discussions and tests. At least 50% attendance at lectures and 90% at exercises is required. The final grade is formed on the basis of a theoretical examination.

**SB10883 Clinical Undergraduate Internship****ECTS credits:**20**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Irina Karaganova, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: ikaraganova@uni-ruse.bg

Sen. Assist. Prof. Denitsa Valentinova Vasileva, PhD, Dept. of Public Health

tel.: +359 82 821 993, e-mail: ddechewa@uni-ruse.bg

**Abstract:**

The undergraduate clinic fieldwork enables students to apply in practice the theoretical knowledge and supplements their practical training. It is enclosed as obligatory in the States requirements for the Bachelor degree in Physiotherapy in order to prepare graduates for successful practice in multidisciplinary teams, as well as individual practitioners in all areas and levels of health.

**Course content:**

Undergraduate clinical fieldwork is conducted in following clinic areas:

- Orthopedics and traumatology – 3 weeks;
- Physical and rehabilitation medicine – 3 weeks;
- Internal diseases (cardiology and pulmonary diseases) – 3 weeks;
- Neurology – 3 weeks;
- Surgery, obstetrics and gynecology – 3 weeks.

**Teaching and assessment:**

Undergraduate clinical internship lasts 15 weeks (total 810 hours) in the listed clinical areas. Traineeship represents the work of students under the supervision of a team of health professionals in the clinical areas and an assistant professor in physiotherapy. Students describe in brief history and status, assess the rehabilitation potential of the patient, perform kinesiological and pathokinesiological analysis, identify physiotherapy diagnosis, set goal and objectives, prepare and conduct physiotherapy program, conduct reevaluation of the patient and provide recommendations for exercise regime and secondary prophylaxis after discharge, train relatives if necessary, participate in the organization and documentation of rehabilitation activities. Students are assessed currently by the fieldwork supervisors and teachers through regular contacts about discussing patients and review of documentation. For fieldwork certification students are obliged to present and report physiotherapy programs. The signature of the head of the department is required and presentation booklet on apprenticeships.

**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written**Weekly classes:** 0lec+0sem+0labs+54ps**Type of exam:** written and practical

**SB10884 State Exam on the Bases and Means of Physiotherapy and Their Application in Various Diseases and Impairments – Practice****ECTS credits:** 5**Assessment:** state examination**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Supervisors:**

All physiotherapy lecturers.

**Abstract:**

The State exam on the bases and means of kinesitherapy provides opportunities to undergraduates to demonstrate in real context gained knowledge, skills for practice and professional competences, necessary for entry level of a practicing physiotherapist.

**Course content:**

Each undergraduate works individually with a patient describing brief history and status, performing necessary assessments and evaluation, kinesiologic and pathokinesiologic analysis, identifying the physiotherapy diagnosis and the rehabilitation potential of the patient, setting the goal, objectives and the content of the physiotherapy programme, and conducting a physiotherapy intervention.

**Teaching and assessment:**

The clinical practical state examination is conducted in a healthcare institution in front of the State Board of Examiners, which consists of at least three habilitated lecturers, of which two are at intervals specialty "Kinesitherapy".

**Weekly classes:** 0lec+0sem+0labs+0ps**Type of exam:** practical**SB10885 State Exam on the Bases and Means of Physiotherapy and Their Application in Various Diseases and Impairments – Theory****ECTS credits:** 5**Assessment:** state examination**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Supervisors:**

All physiotherapy lecturers.

**Abstract:**

The theoretical state examination provides opportunities to undergraduates to demonstrate theoretical knowledge acquired during education, integrating understanding in fundamental, clinical and special disciplines.

**Course content:**

The examination questionnaire contains topics, concerning the basic physiotherapy means and methods, as well as physiotherapy in all clinical domains.

**Teaching and assessment:**

The theoretical state examination is conducted in front of the State Board of Examiners, which consists of at least three habilitated lecturers, of which two are at intervals specialty "Kinesitherapy".

**Weekly classes:** 0lec+0sem+0labs+0ps**Type of exam:** written, oral

**UNDERGRADUATE  
STUDIES IN  
OCCUPATIONAL THERAPY**

## PROFESSIONAL STANDARDS OF A BACHELOR IN OCCUPATIONAL THERAPY

SUBJECT:	<b>Occupational Therapy</b>
Educational level:	<b>Bachelor</b>
Professional qualification:	<b>Occupational therapist</b>
Duration of study:	
• Full-time:	<b>4 years (8 semesters)</b>
• Part-time:	<b>4 years (8 semesters)</b>

**The educational aim** of the programme is to educate specialists who apply evidence based approaches to enable satisfactory performance of occupations people need or have to do, and social inclusion of persons with occupational performance issues due to disability, social disadvantage or ageing. Occupational therapy intervention focuses on developing, restoring and maintaining daily living and work skills, as well as on compensating for permanent loss of function by adapting the home, school and work environment. The main goal of the intervention is to ensure full participation, social integration, productive and satisfying lives for disabled people. The holistic approach contributes to improving health, well-being and quality of life despite existing deficits.

The qualified Occupational Therapist is competent to:

- enable engagement in everyday living through occupation, to foster health and well-being for people with physical, mental or emotional impairments;
- enable a just and inclusive society where all people may participate to their potential in daily occupations;
- work responsively to individual and societal needs and cultural values applying holistic and client-centred approach;
- effectively apply a combination of individual, group and population approaches, such as treatment, consultation, education, health promotion, change of attitudes etc.;
- work with a variety of individual clients, groups and populations from all age groups and in a wide range of physical and psychosocial areas;
- work in community based services, health and social services sectors, education, employment, environmental adaptations and participate in planning of the architectural environment;
- promote the professional identity of the occupational therapist in the multidisciplinary team;
- apply creative and innovative problem solving to complex situations;
- take responsibility to advance their own professional development;
- work with an international perspective complying with international standards for education and practice in occupational therapy;
- work in an ethical and client-centred manner.

The learning outcomes of the education are expressed in the development of generic and specific competences, defined on the basis of the European Qualifications Framework (EQF), the National Qualifications Framework of the Republic of Bulgaria (NCF), the Digital Competence Framework, the Key Skills for Lifelong Learning and the Specific Competences in Occupational Therapy, approved for European countries in the TUNING Educational Structures in Europe project.

*Generic competences* – transferrable skills:

- Ability for analysis, synthesis, planning, time management and team work
- Has the ability to gather, interpret and apply relevant data from health, social and occupational science
- Reflects on and applies professionally reasoned basic knowledge in practice
- Is especially skilled in interpersonal competences, including oral and written communication with professionals and service users, in group work and in interdisciplinary teamwork, demonstrating appreciation of cultural differences
- Adapts to new situations, is creative in finding the best solutions and makes decisions in collaboration with team and client
- Works with a high degree of autonomy, is self-critical, and applies procedures for quality assurance

- Is competent in planning, implementation of, reporting on and evaluating a project
- Has basic research skills including abilities to critique and apply research findings for evidence based practice, and to reference sources accurately and systematically
- Uses computing skills and information management skills for reporting and searching for information
- Possesses language skills for effective oral and written communication with professionals and non-professionals
- Has a working knowledge of English in order to keep up to date with the professions' body of knowledge, and continuous professional development.

*Specific competences*

- Knowledge of occupational therapy
- Occupational therapy process and professional reasoning
- Professional relationships and partnerships
- Professional autonomy and accountability
- Research and development of occupational therapy/science
- Management and promotion of occupational therapy.

**The curriculum** is designed in compliance with the Ordinance on the state requirements for higher education for the educational qualification degrees "bachelor", "master" and "specialist", Ordinance No. 21 of 30.09.2004 on the implementation of the European Credit Transfer and Accumulation System (ECTS) in higher education institutions, the Standards of education of the World Federation of Occupational Therapists (WFOT), and the specific competences of the European Network of Occupational Therapy in Higher Education (ENOTHE).

The education consists of obligatory, elective and optional courses.

**The obligatory courses** are grouped in the following blocks:

*Foundational courses form fundamental knowledge:* Sociology, Information Technologies, Assistive Devices and Technology for Adapting the Environment, Project Development and Management in Occupational Therapy, Project Work in Occupational Therapy, Work in Intercultural Environment, Disastrous Situations Management, Basics of Research, Social Statistics, Foreign Language, International Modules.

*Special courses provide the general ground of the training in the professional domain in to subject areas:*

- *Biomedical courses* – Anatomy, Physiology And Pathophysiology, Biomechanics, Kinesiology and Functional Diagnostics, Pediatrics, Neurology, First Aid, Orthopedics, Orthotics and Splinting, Mental Health, Nutrition and Dietetics, Social Medicine, Social Rehabilitation and Health Promotion, Hygiene and Ecology.
- *Pedagogical and psychological courses* – General and Age Psychology, Special Psychology and Special Pedagogic, Neuropsychology, Communication Disorders, Andragogic, Health Education.

*Specialization courses* – Introduction to OT, Theoretical Foundations, General Assessment Methods in Occupational Therapy, Special Assessment Methods and Tools in Occupational Therapy, Therapeutic Methods and Tools in Occupational Therapy, Occupational Therapy in Pediatrics, Occupational Therapy In Physical Dysfunction I, II, Occupational Therapy for Social Inclusion, Occupational Therapy in Inclusive Education, Occupational Therapy in Mental Health, Occupational Therapy in Learning Disabilities, Occupational Therapy in Geriatrics, Ergonomics and Design, Adapted Physical Activity.

**Practical training** – according to the WFOT standards consists of 1020 hours, including

- Semestrial Fieldwork – 495 hours (from the 2<sup>nd</sup> until the 7<sup>th</sup> semester).
- Summer placement – 240 hours (4 weeks after the 4<sup>th</sup> and 6<sup>th</sup> semester).
- Pregraduation internship – 300 hours (10 weeks during the 8<sup>th</sup> semester).

**Graduation:** State examination or graduation paper and defense.

***Career prospects:***

- Occupational therapists work with all age groups and in a wide range of physical and psychosocial areas and participate in planning of the architectural environment.
- Places of employment may include hospitals, clinics, day and rehabilitation centres, home care programmes, mainstream and special schools, industry and private enterprises. Many occupational therapists work in private practice and as educators and consultants.

## CURRICULUM

### OCCUPATIONAL THERAPY

#### First year

<b>Code</b>	<b>First term</b>	<b>ECTS</b>	<b>Code</b>	<b>Second term</b>	<b>ECTS</b>
SB16711	Anatomy	6	SB16717	Human physiology and pathological physiology	5
SB16559	General and age psychology	4	S00688	Biomechanics, kinesiology and functional diagnostics	4
S00540	Sociology	2	S00720	Special psychology and special pedagogic	2
S00588	Introduction to occupational therapy	5	SB14377	Theoretical foundations of occupational therapy	5
SB16712	General assessment methods in occupational therapy	5	SB16718	Special assessment methods in occupational therapy	6
S00596	Information technologies in occupational therapy	4	SB17570	Fieldwork I	4
<b>Elective courses: Foreign language I (students choose one course)</b>			<b>Elective courses: Foreign language II (students choose one course)</b>		
SB17566	English with special terminology I	4	SB17571	English with special terminology II	4
SB17567	German with special terminology I	4	SB17572	German with special terminology II	4
SB17568	French with special terminology I	4	SB17573	French with special terminology II	4
SB17569	Russian with special terminology I	4	SB17574	Russian with special terminology II	4
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
SB13965	Sports	1		Sports	1

#### Second year

<b>Code</b>	<b>Third term</b>	<b>ECTS</b>	<b>Code</b>	<b>Fourth term</b>	<b>ECTS</b>
SB16724	Neurology	4	S00818	Neuropsychology	4
SB16725	Pediatrics	4	S00819	Occupational therapy for physical dysfunction I	3
SB16726	Therapeutic methods and means in occupational therapy	6	SB16730	Assistive devices and technologies for accessible environment	7
SB16727	Occupational therapy in pediatrics	6	SB16731	Ergonomics and design in occupational therapy	5
SB16728	Fieldwork I	8	SB17117	First aid	3
			SB16732	Fieldwork III	8
<b>Elective courses (students choose one course)</b>			<b>Elective courses (students choose one course)</b>		
S00779	Andragogic	2	SB10836	Health education	1
SB14382	Massage	2	SB10844	Hygiene and ecology	1
SB14383	International module	2	SB17576	Nutrition and dietetics	1
			SB16734	International module	1
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
SB13965	Sports	1	SB13965	Sports	1
			SB14434	Summer placement I	4



## Third year

Code	Fifth term	ECTS	Code	Sixth term	ECTS
SB16735	Occupational therapy for social inclusion	5	S00838	Orthopedics, orthotics and prosthetics	3
SB16736	Occupational therapy in inclusive education	5	S00841	Mental health	3
S00812	Project development and management in occupational therapy	3	S00849	Occupational therapy for physical dysfunction II	4
SB17118	Social medicine, social rehabilitation and health promotion	3	S00864	Occupational therapy in mental health	6
SB16737	Work in intercultural environment	3	S00990	Disaster management	1
SB14384	Communication disorders	3	SB16740	Project work in occupational therapy II	4
SB16738	Fieldwork IV	8	SB16750	Fieldwork V	8
<b>Elective courses (students choose one course)</b>					
			SB16741	Introduction to physiotherapy	1
			SB17137	Adapted physical activity	1
			SB16742	International module	1
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
S00072	Sports	1	S00072	Sports	1
			SB14435	Summer placement II	4

## Fourth year

Code	Seventh term	ECTS	Code	Eighth term	ECTS
SB11370	Occupational therapy in geriatrics	5	S01023	Pre-graduation internship	16
SB17119	Occupational therapy in learning disabilities	5	S00175	Self-study for graduation	4
SB10861	Basics of research	3			
SB17139	Social statistics	3			
SB16743	Fieldwork VI	8			
<b>Elective courses (students choose one course)</b>					
S00542	Working with parents of children with disabilities	3			
SB16744	Early intervention in occupational therapy	3			
SB17577	International module	3			
<b>Elective courses (students choose one course)</b>			<b>Graduation</b>		
SB16746	Social entrepreneurship	3	S02260	State examination	10
SB16745	Management of occupational therapy practice	3	S01033	Bachelor thesis	
<b>Total for the term:</b>		<b>30</b>	<b>Total for the term:</b>		<b>30</b>
S00072	Sports	1	S00072	Sports	1

**Total for the course of study: 240 ECTS credits**

**SB16711 Human Anatomy**

**ECTS credits:** 6  
**Assessment:** exam

**Weekly classes:** 3lec+0sem+0labs+2ps  
**Type of exam:** written

**Department involved:**

Department of Public Health  
Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Dimitar Stavrev, MD, PhD, Dept. of Public Health, e-mail: morskamedicina@abv.bg  
Vanya Dacheva, MSc, Dept. of Medical and Clinical-diagnostic Activities, e-mail: vdacheva@uni-ruse.bg

**Abstract:**

The course ensures basic knowledge about the structure of human body. The teaching has functional aspect and clinical focus. The studied conceptual and terminological basis of the discipline is used in all clinical and special disciplines. Expected outcomes: knowledge of the normal structure and functioning of organs and systems of the human body; skills for recognizing the morph functional characteristics of the organism in the dynamics of individual development; basis for professional competencies related to the professional activities of the occupational therapist.

**Course content:**

Objectives and tasks of anatomy. Cytology, histology. Musculoskeletal system. Internal organs. General principles in the structure of the internal organs. Digestive, respiratory, excretory, endocrine, immune and cardiovascular systems. Male and female reproductive systems. Central and peripheral nervous systems. Sensory organs.

**Teaching and assessment:**

The lectures enable students to learn theoretical knowledge, assisted by visual presentation with multimedia, posters, preparations and anatomical models. The practical sessions are conducted on anatomical models, computer programmes and posters. Current control is conducted through discussions, questions, independent work in small groups, demonstration of the learned practical skills. Test feedback control is conducted during the semester. The exam lasts about 90 minutes and is conducted by the lecturer of the discipline.

**SB16559 General and Age Psychology**

**ECTS credits:** 4  
**Assessment:** exam

**Weekly classes:** 2lec+1sem+labs+0ps  
**Type of exam:** written

**Department involved:**

Department of Pedagogy  
Faculty of Public Health and Health Care

**Lecturers:**

Prof. Stoyko Ivanov, MA, PhD, Dept. of Pedagogy, tel.: +359884798669, E-mail: svivanov@uni-ruse.bg  
Petya Cheshmedzhieva, PhD, A part-time lecturer, Dept. of Pedagogy, tel.: +359887923413, E-mail: pcheshmedzhieva@uni-ruse.bg

**Abstract:**

Training in the discipline provides basic knowledge about cognitive mental phenomena, about key categories, concepts and theories in age psychology, about the modern understanding of the problem of the psychomotivational activity of the personality and the place of communication in the development process. Future occupational therapists will acquire skills to analyze and orient themselves in the different theoretical positions in psychology, to use different methods for researching psychological phenomena and influencing mechanisms such as suggestion and persuasion.

**Course content:**

The educational content reveals the reasons for the emergence, essence, meaning, structure, research methods and directions of the studied discipline. It presents basic scientific doctrines and reveals a variety of information with an emphasis on practicality. The contents included in the lecture course and in the seminar exercises are combined with each other with the aim of forming competences in students for understanding the mental processes, states and qualities of the personality and for the changes that occur in the development of the human psyche during the different age periods, influenced from various biological and social factors.

**Teaching and assessment:**

The basic training is realized in the course of the lecture course with a problematic background. Active learning methods are used in the seminar exercises - presentations, discussion of individual cases, debating, role-playing games, quizzes. Combining individual and group ways of working contributes to the assimilation of knowledge and the acquisition of competencies for professional interaction with persons according to their different general psychological, age, specific cognitive and other developmental characteristics.

**S00540 Sociology****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Sen. Assist. Prof. PhD, Ana Popova, Dept. Management and Social work, email: [apopova@uni-ruse.bg](mailto:apopova@uni-ruse.bg)**Abstract:**

The course gives introductory knowledge for the nature of society and social processes on one hand, and of the state of civilizations on the other, of the crises and cycles in their development. Accents in the theoretical knowledge are put on the classical and contemporary theories for the nature and development of society, social groups and communities. Next to that, students are expected to acquire the social content and specifics of economics and politics of labor and market. Purpose and of the subject is that the students are able to build up sociological culture.

**Course content:**

Sociological approach and research. Culture. Society. Civilization. Socialization. Social interaction. Groups and organizations. Deviant behavior. Stratification. State. Policy and government. Economy and labor. Local world and global civilizations. Social changes. Crises and cycles.

**Teaching and assessment:**

During lectures students are acknowledges with the theoretical basics of the content. Appropriate examples are commented. During seminars situational analyses are conducted, case studies are solved, discussions of student's assignments are made. Validation of semester is possible when students have 80% presence and average grade 3 of the on-going evaluations during the semester. The final grade is formed by tests, course assignments and evaluation of research paper.

**S00588 Introduction to Occupational Therapy****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, E-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The course gives an overview of the philosophy of the profession. Students learn the main features of occupation, the importance of occupation for person's health and well-being and the environmental factors influencing occupational performance. Special attention is paid to understanding disability from the perspective of the individual, his family and society as a whole. Scope of practice, ICF and the professional profile of occupational therapy nationally and worldwide are presented. The course lays the foundation of detailed study of the theoretical models of occupational therapy and its specialized application with children, adults with physical, mental and psychosocial impairments and elderly.

**Course content:**

Introduction to OT as a profession and an academic course. Occupational therapy scope and process. Defining occupation and areas of occupation. Client factors. International Classification of Functioning, Disability and Health (ICF). Performance skills and patterns. Occupational balance and imbalance. Environmental influences. Time use in occupation. Disability from an individual and a family perspective. Clients in OT. Occupational therapy profile worldwide.

**Teaching and assessment:**

The course introduces new teaching and learning methods (e.g. interactive lectures, group work, self study, working with literature, presentations) with the aim of active and creative involvement of the students and promotion of student-centred and life long learning. Continuous assessment is carried out on basis of individual assignments and participation in group work. Students are expected to attend classes regularly, to participate actively and creatively in class work and to submit individual assignments on time. The final grade is based on the number of points gained from a written test and the course assignment.

**Weekly classes:** 2lec+0sem+0labs+0ps**Type of exam:** written and oral**Weekly classes:** 1lec+2sem+0labs+0ps+ca**Type of exam:** written test, presentation

**SB16712 General Assessment Methods in Occupational Therapy****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The course acquaints students with the general assessment methods for an effective therapeutic process with different client groups. Attention is focused on activity and occupational analysis as a specific method and essential practical skill of the occupational therapist. The training aims to develop students' skills for proper selection, analysis, grading and adapting of activities for the purposes of occupational therapy intervention. The course is fundamental for all disciplines related to studying of specific approaches for working with children and adults with physical, psychosocial and mental disorders and the elderly.

**Course content:**

General characteristics of occupational therapy assessment. Overview of assessment methods and tools. Reflection – nature, goal, reflection models. Interviewing and observation in occupational therapy practice. Occupation and activity. Activity analysis. Occupational analysis. General plan for activity and occupational analysis. Performance skills. Grading and adapting.

**Teaching and assessment:**

The course stimulates the active participation of the students. The main teaching methods are group and individual work, discussions, presentations, written assignments. During practicals students develop their skills for activity and occupational analysis. Continuous control is carried out through participation in the learning process, completed forms and their discussion. Final grading is based on the summary of points which students gain from a written test and the course assignment.

**S00596 Information Technologies in Occupational Therapy****ECTS credits:** 4**Assessment:** exam**Department involved:**

Informatics and Information Technologies Department

Faculty of Natural Science and Education

**Lecturers:**Assoc. Prof. Desislava Baeva, PhD, Dept. of Informatics and Information Technologies,  
tel.: +359 82 888 8144, E-mail: [dbaeva@uni-ruse.bg](mailto:dbaeva@uni-ruse.bg)**Abstract:**

The learning objective is students to get due knowledge about the computer and its components as a technical device and about the most widely applied software - operation systems, text processing systems, worksheet data processing, databases, information systems, computer networks, computer presentation systems. Workshops objective is students to become skillful in using the most widely applied software systems – Windows, Word, Excel, PowerPoint.

**Course content:**

History and classification of computers. Hardware. Operation systems. Text processing systems. Worksheet data processing. Databases – relational databases, database management systems, known databases. Data communications and computer networks. Computer presentations.

**Learning and assessment:**

Two-hour lectures are conducted once per a fortnight. Workshop sessions are held by tutors in special computer laboratories. The tutor spares the first 10 minutes for checking students' preparation by doing a written test, a brief written exam or an oral testing. Students' knowledge and skills for using the relevant software product are assessed after each course topic. Students are given individual tasks to prove their ability for independent work with the applied software. The individual task is also assessed. After the semester, the students' progress is evaluated with a test covering the course material. The final grade is calculated as 40% from the test mark and 60% from the average of the paper mark and student's participation in the workshop sessions.

**Weekly classes:** 1lec+2sem+0labs+0ps+ca**Type of exam:** written test, presentation**Weekly classes:** 1lec+0sem+0labs+2ps+ ca**Type of exam:** written

**Foreign Language with Special Terminology I****SB17566 English with Special Terminology; SB17567 German with Special Terminology;  
SB17568 French with Special Terminology; SB17569 Russian with Special Terminology****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Foreign Languages

Faculty of Public Health and Health Care

**Lecturers:**Sr. Lecturer Liliana Ivanova Slavianova, PhD, DFL; tel. 888 816; E-mail: [lsavianova@uni-ruse.bg](mailto:lsavianova@uni-ruse.bg)Sr. Lecturer Sergey Vasilev Bartenev, DFL; tel. 888824 E-mail: [sbartenev@uni-ruse.bg](mailto:sbartenev@uni-ruse.bg)Sr. Lecturer Iliyana Gancheva Benina, PhD, DFL, tel. 888 815, E-mail: [ibenina@uni-ruse.bg](mailto:ibenina@uni-ruse.bg)**Abstract:**

The overall aim of the two foreign language modules is to give students new knowledge of the foreign language and basic grammatical categories. It also aims at further developing communicative competence in the field of both general and specific foreign language. Students are acquainted with the everyday language of communication between the occupational therapist and the patient and the procedure of prescribing adequate treatment. Reading skills needed to handle medical texts are also developed.

**Course context:**

Occupational Therapy. Classifying Those Who May Need Occupational Therapy. Goals of Occupational Therapy. The occupational Therapist. The Theoretical Base of Occupational Therapy Interventions.

Conducting Occupational Therapy Interventions.

**Teaching and assessment:**

To acquire the necessary language knowledge and develop skills in using the language as a means of communication a wide range of books, authentic texts and audio – recordings are used. The teaching process involves various oral and written exercises and activities. Students are acquainted with effective strategies of learning in accordance with the principles of modern foreign language teaching. Continuous control is based on two written tests and students' oral participation during classes. The language knowledge and skills acquired are of great significance to the final mark which is the result of a written exam.

**SB16717 Human Physiology and Pathological Physiology****ECTS credits:** 5**Assessment:** exam**Departments involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Yulia Pulova, MD, PhD, dept. of Health Care, e-mail: [jpulova@abv.bg](mailto:jpulova@abv.bg)

Assoc. Prof. Kristina Zaharieva, PhD, dept. of Medical and Clinical Diagnostic Activities, e-mail:

[kzaharieva@uni-ruse.bg](mailto:kzaharieva@uni-ruse.bg)**Abstract:**

The course aims to give basic knowledge about the vital functions of the human body in normal and in disease processes, develops skills and competences required for the occupational therapist' professional training and future career. Expected outcomes are that students will have knowledge of the mechanisms of functioning of the vital processes in the human body, their dynamics and integrity; knowledge of the basic mechanisms of emergence and development of diseases; will be able to apply the acquired knowledge, skills and competences in the clinical courses of the curriculum.

**Course content:**

Physiological Functions, regulation. Physiology of excitable tissues. Physiology of the physical activity. Blood. Immunity. Physiology of the cardiovascular, respiratory, digestive, excretory, endocrine, reproductive and nervous systems. Health and diseases. Pathological Reactions, processes, conditions. Allergy. Reactivity and resistance. Inflammation. Pathology of heat exchange. Arterial and venous hypertension, ischemia, thrombosis, stroke, embolism. Heart Failure. Stress and distress. Sleep-wake Disorders.

**Teaching and assessment:**

The main forms of conducting classes are lectures and practical exercises. The theoretical presentation is clarified using audiovisual equipment. During practicals students study physiological processes experimentally making conclusions and summaries. Progressive learning during the semester is controlled by discussions and testing. Final examination is written.

**Weekly workload:** 0L+0S+0Lab+3P**Type of exam:** written**Weekly classes:** 3l+0s+0lab+1p**Type of exam:** written and oral

**S00688 Biomechanics, Kinesiology and Functional Diagnostics****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Ivelina Stefanova, PhD, Dept. of Public Health, E-mail: [istefanova@uni-ruse.bg](mailto:istefanova@uni-ruse.bg)**Abstract:**

Biomechanics and kinesiology is a basic discipline in the training of physiotherapists and occupational therapists. The goal of the education is that students get familiar with movements of the human locomotors system from a mechanical point of view and that they are able to explain its characteristics resulting from the specific structure and function of the musculoskeletal system. Students need to have knowledge in Anatomy (part I) and secondary school mechanics. It serves as a prerequisite for studying, functional diagnostics in occupational therapy in different conditions – orthopedics and traumatology, neurology.

**Course content:**

Biomechanics and kinesiology – definition, basic concepts. Mechanical loading of the musculoskeletal system. Human movements' kinetics. Gravity center. Balance. Anatomic levers. Kinetic chains. Human movements' kinematics. Movement types. Biomechanics of joints. Biomechanics of the skeletal muscles. Kinematics and kinetics of the shoulder, elbow, wrist and hand, spine and thorax, hip and pelvis, knee, ankle and foot. Range of joint motion. Postural control.

**Teaching and assessment:**

Lectures introduce students to the theoretical basis of the topics. Each practical session begins with an input control for up to 15 minutes. Students are required to attend 50% of lectures and 90% of practicals. The final grade is based on a written exam on two theoretical questions from the questionnaire. The exam lasts 90 minutes. Students can see their work after evaluation.

**S00720 Special Psychology and Special Pedagogy****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Pedagogy

Faculty of Public Health and Health Care

**Lecturers:**

1. Assoc. Prof. Yuliya Doncheva, PhD, „Angel Kanchev” University of Ruse, Dept. of Pedagogy, tel.: +359 82 888 219, E-mail: [jdoncheva@uni-ruse.bg](mailto:jdoncheva@uni-ruse.bg)

2. Sen. Asst. Prof. Vanya Dineva, PhD, „Angel Kanchev” University of Ruse, Department of Pedagogy, tel. +359 82 888 566, E-mail: [vdineva@uni-ruse.bg](mailto:vdineva@uni-ruse.bg)

**Abstract:**

The goal of the course is to increase the level of theoretical and practical knowledge in the application of Special Pedagogy and Special Psychology.

**Course content:**

The program includes lectures - basics of the Special Pedagogy and Special Psychology; features of children with anomalies in development; characteristics of children with intellectual, sensory, communicative, locomotory, complex disorders; problems of autistic children; peculiarities of deviant behavior in adolescents; methods for investigation and diagnosis of abnormal children; solving practical cases.

**Teaching and Assessment:**

The course - lectures

Requirement - 50% lecture attendance

Assessment - tests performed during the semester/exam test at the end of the semester.

**SB14377 Theoretical Foundations of Occupational Therapy****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, E-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The aim of the course is to provide knowledge about the main theoretical concept and OT models developed in Canada, USA and Japan and their application considering individual and cultural differences. The role of process models for ensuring professional reasoning of OT intervention is explained. Acquired knowledge forms the ground for developing professional skills for OT intervention with children, adults with physical, psychosocial and mental disabilities and elderly.

**Course content:**

Basic theoretical concepts in Occupational Therapy – overview of the theoretical and therapeutic models. Model of Human Occupation (MOHO), assessment tools. Person – Environment – Occupation Model. Canadian Model of Occupational Performance. Canadian Occupational Performance Measure (COPM). Kawa model. Occupation Adaptation Model. Occupational Therapy Intervention Process Model (OTIPM). Canadian Practice Process Framework (CPPF). Canadian Model of Client-Centered Enablement (CMCE). Overview of occupational therapy process – occupation based and theoretically driven.

**Teaching and assessment:**

Teaching and learning methods include group and individual work, discussions, presentations, written papers, working with information resources. The course stimulates and requires active participation of the students. Individual participation and contribution to group work are evaluated. Regular attendance at contact hours, active and creative participation and respecting the deadlines for individual assignments is required. Final grade is based on total number of points gained from a written test and course assignment, each of them assessed with 100 points.

**SB16718 Special Evaluation Methods and Tools in Occupational Therapy****ECTS credits:** 6**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course introduces students to the special assessment methods and tools needed to conduct an effective therapeutic process with different client groups. Significant attention is paid to professional reasoning, in particular the different types of clinical reasoning. Students are introduced theoretically to the special methods and tools for evaluation of different aspects of occupational performance. During practicals they practice their application. The course is fundamental to all disciplines related to the study of specific approaches for working with children and adults with physical, psychosocial and mental disorders and the elderly.

**Course content:**

Overview of reasoning process in OT practice. Clinical and professional reasoning. Occupational therapy assessments – occupation-based, stages, aspects. Overview of special assessment methods and tools. Psychometric properties. Methods and tools for evaluation of daily activities, performance patterns and occupational performance. Methods and tools for evaluation of performance skills. Methods and tools for evaluation of environment. Outcome measurements. Goal attainment scale (GAS).

**Teaching and assessment:**

The course stimulates active participation of the students. The main teaching methods are group and individual work, discussions, presentations, written assignments. Continuous control is carried out through participation in the learning process, completed forms and their discussion. Final grading is based on the summary of points which students gain from a written test and the course assignment.

**SB16719 Fieldwork I****ECTS credits:** 3**Assessment:** exam**Departments involved:**Department of Public Health,  
Faculty of Public Health and Health Care**Lecturer:**Assoc. Prof. Petya Mincheva, Dept. of Public Health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course provides an opportunity for the students to apply in real-life conditions and under the supervision of a teacher the methods and tools they know for assessing the occupational difficulties of various individuals and social groups. The course is based on the theoretical disciplines, and during the fieldwork the application of OT methods and tools is being practiced. The practical training stimulates the development of clinical thinking skills, skills for active self-reflection and self-assessment.

**Course content:**

Introduction to the course. Instructions for the fieldwork. Structure, organization and activities of the settings for practical training. Safety regulations. Interviewing clients and their relatives in various settings for practical training. Observation and analysis of the occupational performance of clients with various occupational challenges. Selection and application of assessment methods and tools. Conducting an environmental assessment. Reflection on the fieldwork.

**Teaching and assessment:**

Under the supervision of the teacher and the staff in the social services, the students observe the occupational performance of the clients, collect information about their diagnoses and their occupational histories, observe and analyze the impact of the environment. The assessment of students is carried out on the basis of demonstrated competencies during the fieldwork and the course assignment. A criterion system and scoring system has been prepared for each competence, on the basis of which the final assessment is formed.

**Foreign Language with Special Terminology II****SB17571 English with Special Terminology; SB17572 German with Special Terminology;****SB17573 French with Special Terminology; SB17574 Russian with Special Terminology****ECTS credits:** 4**Assessment:** exam**Department involved:**Department of Foreign Languages (DFL)  
Faculty of Public Health and Health Care**Lecturers:**English: Sen. Assist. Prof. Liliana Slavianova, PhD, DFL, tel.: +359 82 888 816, E-mail: [slavianova@uni-ruse.bg](mailto:slavianova@uni-ruse.bg)German: Sr. Lecturer Sergei Bartenev, DFL; tel.: +359 82 888 824 E-mail: [sbartenev@uni-ruse.bg](mailto:sbartenev@uni-ruse.bg)French: Sr. Lecturer Romyana Ivanova, DFL; tel.: +359 82 888 824, E-mail: [rmivanova@uni-ruse.bg](mailto:rmivanova@uni-ruse.bg)Russian: Sr. Lecturer Iliyana Benina, DFL, tel.: +359 82 888 815, E-mail: [ibenina@uni-ruse.bg](mailto:ibenina@uni-ruse.bg)**Abstract:**

The overall aim of the two foreign language modules is to give students new knowledge of the foreign language and basic grammatical categories. It also aims at further developing communicative competence in the field of both general and specific foreign language. Students are acquainted with the everyday language of communication between the occupational therapist and patient and the procedure of prescribing adequate treatment. Reading skills needed to handle medical texts are also developed.

**Course context:**

Purposeful Activities Used Therapeutically. Conflict between client and therapist autonomy. Therapeutic Media Used in Interventions. The History of occupational Therapy. The Development of Occupational Therapy as an Academic Degree. Motivating change: Tips for health care professionals.

**Teaching and assessment:**

To acquire the necessary language knowledge and develop skills in using the language as a means of communication a wide range of books, authentic texts and audio recordings are used. The teaching process involves various oral and written exercises and activities. Students are acquainted with effective strategies of learning in accordance with the principles of modern foreign language teaching. Continuous control is based on two written tests and students' oral participation during classes. The students are assigned a course assignment. The language knowledge and skills acquired are of great significance to the final mark which is the result of both written tests, continuous assessment, oral participation and the course assignment. There is a final written exam.

**Weekly workload:** 0lec+0sem+0labs+3p+ca**Type of exam:** written**Weekly classes:** 0lec+0sem+0labs+3ps+ca**Type of exam:** written



**SB16724 Neurology****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Medical and Clinical-diagnostic Activities, Faculty of Public Health and Health Care

**Lecturer:**

Assoc. Prof. Neli Petrova, MD, PhD, Dept. of Medical and Clinical-diagnostic Activities,

E-mail: [nspetrova@uni-ruse.bg](mailto:nspetrova@uni-ruse.bg)**Abstract:**

The aim of the course is to introduce students to the descriptive and functional anatomy of nervous system, the symptoms and syndromes of neurological injuries, the principles of topical diagnosis, and the medical methods, supporting and verifying the diagnosis of neurological disorders. The special part acquaints students with the clinic and therapy of neurological disorders, classified according to etiopathogenetic principles. Previous knowledge in anatomy and physiology of the nervous system is necessary. Practical sessions focus attention on traumas and disorders of the central and peripheral nervous system, where occupational therapy is most widely applied. The discipline forms and develops the basis of clinical reasoning as a logical foundation for developing and implementing occupational therapy intervention with a particular client.

**Course content:**

General concepts of anatomy and physiology of the nervous system. Peripheral nervous system. Central nervous system – brain and spinal cord, conductive systems. Movement and coordination. Main symptoms and syndromes in their disorders. Sensation. Clinical topic syndromes. Laboratory methods for diagnostics of neurological disorders. Inflammatory and vascular disorders of the nervous system. Tumors and traumas of the nervous system. Systemic dystrophic disease of the nervous and muscular systems. Cerebral palsy. Epilepsy.

**Teaching and assessment**

The lectures aim to present the theoretical foundations of the functional treatment of different neurological disorders. During practicals students observe and try out methods of neurological examination with patients. Theoretical preparation on the topic is requested. Continuous assessment is carried out through discussions, inquiries and clinical cases. Regular attendance of lectures and minimum 90% attendance of exercises are required. Final grade is based on a written examination.

**SB16725 Pediatrics****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Medical and Clinical-diagnostic Activities, Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Svilen Dosev, MD, PhD, Dept. of Medical and Clinical-diagnostic Activities,

e-mail: [sdosev@uni-ruse.bg](mailto:sdosev@uni-ruse.bg)**Abstract:**

The lectures aim to present essential morphologic and functional characteristics of the child development from intrauterine and neonatal period till the end of puberty and adolescence. The pathology of all ages with accent on pathophysiologic mechanisms and contemporary therapeutic and prophylactic methods is followed. The place and potential of occupational therapy in child's age, focused on prevention of the physical and psychic retardation of sick children, as well as achieving the maximum of their normal development, education and professional orientation, is stressed. Expected outcomes are that students will be able to understand the causes, pathology, etiology, symptoms, complications, diagnoses and therapy of most widespread diseases.

**Course content:**

Pediatrics – subject, main therapy trends. Anatomic and physiologic characteristics of the child development in different age periods. Nutrition and prophylaxis. Characteristics of heredity and congenital diseases. Diseases of the new born and prematurely born babies. Puberty – characteristics of the psychical and physic development. Diseases of the respiratory, cardio-vascular, digestive, urinary, nervous and musculoskeletal system in child and juvenile ages. Diseases of the blood and haemopoietic organs. Metabolic diseases. Psychosocial nanism. Immunity and immunodeficiency conditions. Congenital virus infections.

**Teaching and assessment:**

The lectures are presented with audio-visual illustrations and possibility for summarizing of essential parts. Active participation of students through solving case studies and discussions on issues of particular interest is stimulated. Practicals are conducted at fieldwork places and include active discussion on the current topic, demonstration of healthy and sick children and developing skills to work with them by identifying morphologic and neurological maturity index, neurologic status and investigation of primitive reflexes. The final grade is based on the individual work during the semester, a written examination and an oral discussion.

**Weekly classes:** 2lec+0sem+0labs+1ps**Type of exam:** written**Weekly classes:** 2lec+0sem+0labs+1ps**Type of exam:** written, oral

**SB16726 Therapeutic Methods and Tools in Occupational Therapy****ECTS credits:** 6**Assessment:** exam**Department involved:**

Department of Public Health, Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course introduces students to the basic therapeutic methods and tools needed to conduct an effective therapeutic process with different client groups. Attention is focused on mastering skills for setting goals and developing a therapeutic programme. Special attention is paid to Evidence Based Practice. Students are introduced to the use of different assistive devices and acquire practical skills for their elaboration using available materials. The course is fundamental to all disciplines related to the study of specific approaches for working with children and adults with physical, psychosocial and mental disorders and the elderly.

**Course content:**

Occupational therapy intervention – stages, OT program. Setting SMART goals. Occupational therapy approaches – develop, maintain, compensate, health promotion, prevention. Intervention methods and strategies. Grading and adapting. Methods and tools for adapting the environment. Assistive devices. Universal design. Group work in occupational therapy. Creative methods – photography, digital storytelling. Health promotion. Prevention. Advocacy and self-advocacy. Education. Evidence Based Practice.

**Teaching and assessment:**

The course stimulates active participation of the students. The main teaching methods are group and individual work, discussions, presentations, written assignments. Continuous assessment is based on individual assignments and participation in group work. Final grade is based on the summary of points which students gain from course assignment and the final test.

**SB16727 Occupational Therapy in Pediatrics****ECTS credits:** 6**Assessment:** exam**Department involved:**

Department of Public Health, Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, E-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course presents the theoretical foundations of occupational therapy in pediatrics, and the place and role of occupational therapy in working with disabled children and their families. An important place is given to the study of the stages of normal child development and various causes of developmental delay. Students are introduced to various assistive devices, adaptations and equipment and their application. The main goal of the education is mastering theoretical knowledge and practical skills for occupational therapy intervention with children of different age periods, with different needs and conditions, focused on the main occupations of the child – self care, play and education. Prior knowledge requirements include anatomy and physiology of the child, developmental psychology, pediatrics and fundamental occupational therapy models and processes.

**Course content:**

Foundations of occupational therapy for children – occupational therapy process, theoretical models, family – centered approach, methods and assessments tools. Multidisciplinary teamwork. Development of occupations during different periods of the childhood. Working with families. Strategies for occupational therapy intervention for enhancing daily activities and participation. Assistive devices, adaptations and equipment. Play as an occupation and therapeutic media and its importance as a process and an outcome. Role of occupational therapy for children with special educational needs, inclusive education. Occupational therapy for children with physical disabilities, sensory and developmental disabilities.

**Teaching and assessment:**

During lectures students acquire the theoretical knowledge of occupational therapy intervention in pediatrics. The teaching process is interactive and demands active participation of the students in discussions, problem solving and case studies. Practicals are conducted in clinical centers and services for children with disabilities of different ages. They include discussion and demonstration of methods and tools applied to the specific condition and individual work of the student under the supervision of the teacher. Continuous control is carried out through written tests, students' participation, individual assignments during the semester and demonstration of practical skills. Attendance and semestrial individual work are assessed by a number of points. The final grade is based on a written test and course assignment.

**SB16728 Fieldwork II****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Public Health, Faculty of Public Health and Health Care

**Lecturer:**Assoc. Prof. Petya Mincheva, Dep. of Public Health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)Elitsa Velikova, MSc, Center ABET, E-mail: [el\\_velikova@abv.bg](mailto:el_velikova@abv.bg)**Abstract:**

The course provides students with the opportunity for practical application in real context of assessment tools related to occupational performance and occupational therapy intervention for children with disabilities in order to prevent and overcome their delay, as well as to ensure maximum development, education and vocational orientation. The fieldwork experience promotes clinical reasoning and reflective practice along with the foundations of values and beliefs that enable the participant to prepare for ethical professional practice. The main goal is to develop practical skills, responsibility, clinical reasoning and ethical attitude to occupational therapy intervention.

**Course content:**

Visits to institutions working with children. Observation and assessment of child's development. Assessment of developmental deviations – specialized tests, observation. Assessment and analysis of normal and abnormal child development in the areas of occupation. Interviewing parents and caregivers. Occupational therapy intervention – planning, implementation, evaluation of results. Inclusive education. School occupational therapy (OT). OT in central and peripheral nervous system and developmental disorders. OT for children with multiple disabilities. Occupational therapy for children with sensory and congenital impairments.

**Teaching and assessment:**

Fieldwork placements are daily centers and schools. Each student works individually with at least two children from different bases with different occupational problems and needs. Periodically, and at the end of each stage, the conducted activities are discussed. The assessment of students is carried out on the basis of demonstrated competencies during the fieldwork and the course assignment. The final grade is based on a criterion system and scoring system that have been developed for each competence.

**SB14385 Andragogy****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Pedagogy

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Valentina Vasileva, PhD Department of Pedagogy, tel.: + 35982841609, E-mail: [vasileva@uni-ruse.bg](mailto:vasileva@uni-ruse.bg)**Abstract:**

In the curriculum are elaborated scientific issues and contemporary aspects of education of adults. Students acquire skills for planning and organization of adult's education. The main issues of andragogy are revealed. The challenges toward education in global world are examined. In the syllabus there are discussions about personality ontogenesis, as well as the specificity of their learning.

**Course content:**

Scientific status of andragogy – arising and development, subject, object and tasks, collaboration with other sciences. Education of adults and contemporary social development. Contemporary conceptions for permanent education. Education – global problem. Permanent education in Bulgaria. System of andragogical methods and forms. Andragogical demands toward learning process of adults. Andragogical cycle. Design of teaching of adults. Distant education with adults. Communication in education of adults.

**Teaching and assessment:**

The interactive methods are used, that develop skills for making decisions, formulation of conclusions, formatting of communicative and organizational abilities (discussions, brain storm, role games, etc.). In the seminars are provided tests for acquisitions.

**Weekly classes:** 1lec+1sem+0labs**Type of exam:** written

**SB17575 Massage****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Radoslava Deleva Miteva-Georgieva, PhD, Dept. of Public Health, e-mail [rdeleva@uni-ruse.bg](mailto:rdeleva@uni-ruse.bg)**Abstract:** The aim of the course is to acquire a theoretical basis and practical application of classical massage, which is closely integrated with medical rehabilitation. Physiotherapist should know the indications and contraindications for the use of massage and the physiological effects of various massage techniques, apply them correctly and competently.**Skills and competencies for:** professional behavior, interpretation of massage as a means of physiotherapy its impact on the body, indications and contraindications for its use; application of various techniques from classical and sports massage for prophylactic purposes and in diseases. Mastering the principles of ergonomics.**Course content:** Classification of massage. Equipment and physiological action of massage techniques on the function of the human body systems. Requirements for masseurs, patients and rooms, indications and contraindications for massage. Types, location and impact of massage in physiotherapy and sports training.**Teaching and assessment:** Theoretical presentation of lectures accompanied by a practical demonstration of massage methods, techniques and various manual techniques. They worked during the practical exercises that students must be prepared theoretically. Students are required to certify 100% attendance of lectures and exercises. The examination is held in two stages - a theoretical and practical examination with two questions, final mark is average.**Weekly classes:** 1lec+1sem+0labs+0ps**Type of exam:** oral theoretical and practical**SB16729 International Module****ECTS credits:** 2**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The aim of the course is to encourage development of skills for working in an international, intercultural and digital environment through participation in international modules within student mobility, as well as through short-term and online learning modules. It develops the 21st century skills and digital skills that are considered a prerequisite for tackling future challenges in any profession. Intercultural competence and sensitivity to social and cultural aspects that affect life and occupations are particularly important in occupational therapy.

**Course content:**

The training consists of lectures and seminars according to the content of the international module within the course hours. Lectures include general topics related to working in an international team, cultural diversity, benefits of participating in international modules, etc., as well as specific topics of the module, e.g. universal design. Students have the opportunity to choose between 8 modules developed under the COPILOT project (Cooperative Online Peer-assisted and Intercultural Learning in Occupational Therapy).

**Teaching and assessment:**

Lectures are presented through webinars and videos. Students work in small groups in a flexible mode parallel to their studies. They are actively engaged through individual work, group discussion, group assignments, reflection and feedback on teamwork and communication. Students are expected to develop individual assignments, as well as systematic, active and creative participation in group discussions and the development of the final product (report, presentation, video, podcast, etc.). The final grade is based on the participation, achievements and reflection of the student and the quality of the final product.

**S00818 Neuropsychology****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Sen. Assist. Prof. Vanya Dineva, PhD, "Angel Kanchev" University of Ruse, Department of Pedagogy, tel. +359 82 888 566, E-mail: vdineva@uni-ruse.bg

**Abstract:**

Neuropsychology is an integrative discipline, involved in studying of directly related to brain functions behaviour. The main goal of the education is to provide knowledge about the structure of brain cortex, the location of Sr. cortex functions and subordination of cortical zones, as well as impairments of higher mental functions. Basic assessment methods in Neuropsychology are presented, emphasizing their application in occupational therapy practice. The expected outcomes are stimulating students' activity on these issues, understanding basic concepts, as well as critical and creative interpretation and application of the main neuropsychological knowledge in the occupational therapist practice.

**Course content:**

Introduction to Neuropsychology. Anatomy and physiology of the brain cortex. Higher cortical functions – characteristics and types. Localization and lateralization of functions. Functional asymmetry of the brain and hemisphere strategies. Gnosis and agnosia. Praxis and apraxia. Language and speech. Language and thinking. Aphasia. Memory impairments resulting from local lesions of the brain. Amnesia. Neuropsychological analysis of higher mental functions disorders resulting from local lesions of the brain. Qualitative and quantitative analysis of neuropsychological syndromes. Neuropsychological methodology of clinical assessment – A. R. Lurii. Cognitive neuropsychology and problem solving. Organic brain syndromes. Dementia.

**Teaching and assessment:**

The continuous assessment is based on written tests (40%) and overall participation in activities and self study (60%). Regular attendance, active participation, elaborating and delivering of individual assignments on time is requested. The exam is written. The final grade is based on the written test and the course assignment.

**S00819 Occupational therapy for Physical Dysfunction I****ECTS credits:** 6**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, E-mail: pmincheva@uni-ruse.bg

**Abstract:**

The course examines the limitations in activities of daily living (ADL) influencing the main life roles of adults with physical dysfunction with focus on neurological impairments. Students get acquainted with the application of different theoretical models and methods for assessment of motor, cognitive, neurological and psychic functions. Main attention is focused on activity limitations and participation restrictions to neurological impairments. An emphasis is placed on viewing clinical problems from different perspectives and on generating alternative approaches to assessment and treatment of the adult clients. The main aim of the course is to develop skills for intervention in variety of ADL areas, including the use of assistive devices, environment adaptations, education of the families.

**Course content:**

Theoretical foundations for OT intervention in physical dysfunction. Theoretical models and frames of reference in neurological diseases. OT assessment in neurology. Activity and occupational analysis. Performance components. Occupational therapy intervention – general principles. Occupational therapy for motor and cognitive dysfunctions of adults with cerebrovascular accident, traumatic brain injury and spinal cord injury. Positioning, transfers and mobility. Activities of daily living. Assistive devices. Occupational therapy in multiple sclerosis, Parkinson's disease and other neurological impairments.

**Teaching and assessment:**

Students are actively involved in the education through discussions, problem solving and case studies. Continuous assessment is based on participation, written tests, individual assignments and practical skills. Regular attendance, active participation and responsibility, working out and on time delivering of the assignments are requested. Final grade is based on a written test and the course assignment.

**Weekly classes:** 2lec+0sem+0labs+0ps**Type of exam:** written**Weekly classes:** 2lec+0sem+0labs+2ps+ca**Type of exam:** written test, presentation

**SB16730 Assistive Devices and Technologies for Accessible Environment****ECTS credits:** 6**Assessment:** exam**Department involved:**Department of Public Health,  
Faculty of Public Health and Health Care**Lecturers:**

Prof. Daniel Bratanov, PhD, Dept. Medical and clinical-diagnostic activities, e-mail: dmbratanov@uni-ruse.bg

**Abstract:**

The aim of the discipline is providing knowledge about the methodology of specific equipment development and use for adapting the environment according the needs of people with motor, mental and psychological disabilities, including skills for implementing them. The discipline forms specific competences related to the development of appropriate and accessible environment and equal opportunities for participation in daily activities to disabled persons.

**Course content:**

In the first part the following topics are presented: introduction to the discipline; adaptation of buildings and communications; aids for facilitating independent mobility of disabled and elderly people; rehabilitation devices for neurological conditions; compensatory aids for disabled people and elderly with self-care restrictions; adapted software products for people with disabilities. In the second part in a systematic way the following topics are presented: introduction to robotics; application of robots in the social sphere, opportunities for application of robotics in rehabilitation; robotics equipment for medical and social rehabilitation, autonomous robotic systems for performing service tasks, etc.

**Teaching and assessment:**

The training in the discipline is carried out through lectures, practical exercises and course assignments. The lecturer's notes for the lectures have been prepared, as well as web-based presentations for both types of classes. The practical exercises are conducted in a laboratory equipped with the aids for accessible environment planned in the current syllabus. Visits to treatment centres that have the necessary facilities are also organized. Students fill out evaluation forms for schools, stairs, elevators and toilets.

**SB16731 Ergonomics and Design in Occupational Therapy****ECTS credits:** 4**Assessment:** exam**Departments involved:**Department of Public Health  
Faculty of Public Health and Health Care**Lecturers:**

Assoc. Prof. Tsvetomir Konov, Dept. of Industrial Design, e-mail: cdkonov@uni-ruse.bg

**Abstract:**

The aim of the course is that students acquire basic knowledge and practical skills in ergonomics and design, and opportunities for independent synthesis and materialization of simple assistive equipment for occupational therapy practice, as well as creating supportive and aesthetic work and home environment for people with disabilities. Students learn methods and tools for synthesis of ergonomic solutions in specific cases concerning the systems man-machine-environment, its components and their optimization.

**Course content:**

Essence and structure of ergonomic design. Anthropology and its application to ergonomic design. Creating good visibility conditions. Work room, structure and functional elements of the work position. Management of labor resources. Indicator devices. Functional graphics in ergonomic design. Knowledge and formation of colours. Tasks and activities in creating new and improved products, devices and systems. Stages, tasks and activities in creating of new artistic decisions. Stages, activities and tools for materialization of simple items (assistive devices) for persons with disabilities.

**Teaching and assessment:**

During the theoretical course students are introduced to basic theoretical knowledge and methods of synthesis of ergonomic and design solutions applicable to occupational therapy practice. During practicals students perform activities related to the acquisition of practical skills in synthesis of ergonomic and design solutions. Students are required regularly to submit the stages of development of the course assignment. The practical part of course work is done during the workshops and self-study. The final grade is based on the results of the course assignment.

**Weekly classes:** 2lec+0sem+0labs+2ps+ca**Type of exam:** written**Weekly workload:** 1lec+0sem+0labs+1p+ca**Type of exam:** practical, oral

**SB17117 First Aid****ECTS credits:** 1**Type of examination:** exam**Department involved:**Department of Medical and Clinical-diagnostic Activities,  
Faculty of Public Health and Health Care**Lecturers:**Assoc. Prof. Teodora Nedeva, MD, PhD, Department of Medical and Clinical-diagnostic Activities,  
e-mail: [tsherbanova@uni-ruse.bg](mailto:tsherbanova@uni-ruse.bg)**Abstract:**

The discipline studies issues related to the specific problems concerning emergencies. All of them are life threatening situations. This makes an important need to discuss clinical, therapeutic and organizational terms with students. In this special student group, some general knowledge and skills concerning emergencies are necessary. They may help in managing such sudden situations, before medical hospital care is given. Occupational therapists should be well trained to perform immediate and adequate first aid to injured people before the coming of a medical team.

**Course content:**

Patient care in acute respiratory disorders. Patient care in acute cardiac problems. Patient care in acute neurological and nephrological conditions. Patient care in acute endocrinological conditions. Patient care in acute disorders gastrointestinal outpatient department for acute conditions in paediatrics. Outpatient care in allergic reactions and shock. Outpatient care in road accidents. Hypothermia, hyperthermia. Patient care in acute poisoning. Outpatient care in drowning.

**Teaching and assessment:**

Teaching is conducted basically through lectures and controlled self-study. Lectures present theoretical basis of the subject and are accompanied by appropriate examples. Lectures are held in an auditorium, where modern methods of presentations – multimedia, case studies and discussions are used. Educational films and special medical equipment are also used. The final grade is based on a written and oral examination on two theoretical questions from the questionnaire.

**SB16732 Fieldwork III****ECTS credits:** 8**Assessment:** exam**Department involved:**Department of Public Health  
Faculty of Public Health and Health Care**Lecturers:**Assoc. Prof. Petya Mincheva, Dept. of Public Health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course provides students with the opportunity for practical application in real context of assessment tools related to occupational performance and occupational therapy intervention with persons with neurological diseases. The fieldwork promotes clinical reasoning and reflective practice along with the foundations of values and beliefs that enable the participant to prepare for ethical professional practice. The main goal is to develop practical skills, responsibility, clinical reasoning and ethical attitude to occupational therapy intervention.

**Course content:**

Interviewing people with neurological diseases, carers and staff members. Assessment and evaluation of physical and cognitive abilities of people with neurological diseases. OT assessment tools for neurological diseases. Positioning, transfers and mobility. OT approaches for supporting self-care, productive and leisure occupations with neurologically ill clients (Stroke, Traumatic brain injury, Spinal cord injuries, MS, Parkinson disease and others).

**Teaching and assessment:**

Clinical placements take place at health settings and specialized institutions for adults with physical disabilities. Each student works individually at least with two clients with neurological diseases. Continuous assessment is based on the demonstrated skills, responsibility and respect during practice. Regular attendance, active and responsible participation in practical training, on time elaboration and submission of coursework is required. The main objective of the course assignment is to develop skills for clinical reasoning and documentation of occupational therapy intervention. Final grade is based fulfilled specific competences and course assignment.

**Weekly classes:** 1lec + 0sem + 0labs + 0ps**Type of exam:** written, oral**Weekly classes:** 0lec+0sem+0labs+6ps+ca**Type of exam:** written

**SB10836 Health Education****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturer:**

Assoc. Prof. Kristina Zaharieva, PhD, Dept. of Medical and Clinical Diagnostic Activities,

e-mail: [kzaharieva@uni-ruse.bg](mailto:kzaharieva@uni-ruse.bg)**Abstract:**

The aim of the course is to achieve high health culture and health education of students. The aim is to develop skills by describing a health or health-related social problem that needs to be addressed and positively changed. Objectives of the training course: to outline the scientific status of health education; to reveal the nature and need for information on health risk factors; to master the necessary knowledge about health risk factors; to acquire the necessary health skills to prevent health risk factors. The expected learning outcomes come down to: acquiring knowledge about health risk factors and building health skills.

**Course content:**

Health education – goals and objectives. Health risk factors. Skills for a healthy lifestyle. Food hygiene. Nutrition-related diseases. Diet. Smoking. Diseases related to the use of tobacco products. Ways to quit smoking. Effect of alcohol on health. Alcohol and family. Short-term and long-term effects of alcohol. Psychoactive substances – can we prevent their use. The most common symptoms when using psychoactive substances. Physical activity and health. Influence of physical activity on cardiovascular, respiratory and musculoskeletal system. Sexually transmitted diseases. Prevention and protection against STDs. What we need to know about AIDS / HIV. Risk groups and ways of transmitting AIDS / HIV.

**Teaching and assessment**

Teaching is conducted through lectures applying modern interactive methods in order to encourage active participation of the students. Continuous assessment is carried out during lectures. Regular attendance at lectures and active participation in the learning process are required for certification of the course. The final grade is based on a written test.

**SB10844 Hygiene and Ecology****ECTS credits:** 1**Assessment:** exam**Departments involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Margaritka Filipova, PhD, Dept. of Thermotechnics, Hydraulics and Ecology,

e-mail: [mfilipova@uni-ruse.bg](mailto:mfilipova@uni-ruse.bg)**Abstract:**

The main purpose of the training of Hygiene and Ecology is learning theoretical and practical knowledge on hygiene related bits, labour and human nutrition, respectively, the adolescent and the influence of environmental factors on human health and performance.

**Course content:**

Subject and tasks of environmental factors. Hygiene and environmental air, settlements and housing. Climate, climatotherapy. Prevention of VBI. Waste management. Food hygiene. Incidence and relation to environmental factors. Factors in the work environment.

**Teaching and assessment:**

The main forms of teaching classes are lectures and seminars. Lectures are held in the auditorium, equipped with visualization tools. A test is held to check and evaluate the curriculum of lectures. From the test and student's activity in the classes is formed the assessment of the current control. The final grade is based on a written exam.

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written**Weekly workload:** 1lec+0sem+0labs+0p**Type of exam:** practical, oral



**SB16734 International Module****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The aim of the course is to encourage development of skills for working in an international, intercultural and digital environment through participation in international modules within student mobility, as well as through short-term and online learning modules. It develops the 21st century skills and digital skills that are considered a prerequisite for tackling future challenges in any profession. Intercultural competence and sensitivity to social and cultural aspects that affect life and occupations are particularly important in occupational therapy.

**Course content:**

The training consists of lectures according to the content of the international module within the course hours. Lectures include general topics related to working in an international team, cultural diversity, benefits of participating in international modules, etc., as well as specific topics of the module, e.g. universal design. Students have the opportunity to choose between 8 modules developed under the COPILOT project (Cooperative Online Peer-assisted and Intercultural Learning in Occupational Therapy).

**Teaching and assessment:**

Lectures are presented through webinars and videos. Students work in small groups in a flexible mode parallel to their studies. They are actively engaged through individual work, group discussion, group assignments, reflection and feedback on teamwork and communication. Students are expected to develop individual assignments, as well as systematic, active and creative participation in group discussions and the development of the final product (report, presentation, video, podcast, etc.). The final grade is based on the participation, achievements and reflection of the student and the quality of the final product.

**SB14434 Summer Placement I****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, E-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)Elitsa Velikova, MSc, Center ABET, E-mail: [el\\_velikova@abv.bg](mailto:el_velikova@abv.bg)**Abstract:**

The aim of the summer fieldwork is to promote resilient transition from theory to practice by facilitating quality of education through fieldwork experience. It complements the academic knowledge by exposing students to clinical reasoning and preparing them for increasing professional responsibility. The students develop understanding of individuals, groups and communities with whom they work and have the opportunity to collaborate with a variety of professionals.

**Course content:**

The first summer fieldwork is focused on and adults with different impairments. Students apply the occupational therapy process to clients with CP, autism, Down syndrome, cerebrovascular incidents, traumatic brain injuries, spinal cord injuries, Multiple sclerosis, Parkinson disease and other neurological conditions. OT process includes assessment and identifying occupational issues, goal setting, planning, intervention and outcome measurement.

**Teaching and assessment:**

The summer fieldwork involves 4 weeks and is carried out at services for disabled children and adults with neurological disabilities. Students conduct occupational therapy intervention in emerging practice areas under direct supervision carried out by health and educational professionals. Distance supervision by the responsible teacher is provided. For certification of the fieldwork students are requested to present detailed reports on the occupational therapy process with two clients and report of group work. Final grade is based on fulfilled specific competences and written reports.

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** report or presentation**Weekly workload:** 0lec+0sem+0labs+30ps**Type of exam:** written and oral

**SB16735 Occupational Therapy for Social Inclusion****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: litod@uni-ruse.bg

**Abstract:**

The course introduces a person-centered and occupation-based approach for occupational therapy intervention with people with psychosocial disabilities, including exploration, analysis and interpretation of factors creating disabilities at macro, meso and micro level. Health is viewed as a dynamic interaction between people's doing-being-becoming with an environment that affords all people with access to occupations that enable them to develop their potential to participate in their communities as valued members of the society (occupational justice). This approach aims to increase the critical and political awareness and reasoning skills of the students. The focus is moved from the individual to groups and communities and their occupational nature. The main aim is to prepare students to implement effectively occupational therapy initiatives for social inclusion of marginalized populations.

**Course content:**

Groups and communities. European and national policies for people with disabilities. Models of disability. Methods of enquiry in the community – PAR. Occupational justice, occupational deprivation, occupational apartheid. Inclusive employment for people with disabilities. Strategies for OT intervention with communities. Community based rehabilitation. Good practices with disadvantaged social groups.

**Teaching and assessment:**

Dynamic and interactive teaching and learning methods, such as presentations, discussions, group and individual assignments, Internet search, reflection, practice with clients and self-study are applied. Students are actively involved in the education process. Continuous assessment is carried out through individual assignments and participation in group work. Students are expected to attend regularly contact hours, to be active and creative, and to meet deadlines. Final grade is based on a written test and the course assignment.

**SB16736 Occupational Therapy in Inclusive Education****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health, Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: litod@uni-ruse.bg

**Abstract:**

The course enables students to gain proper understanding of the nature of inclusive education and the role of occupational therapy. The training is based on a systematic approach to working with institutions, organizations, professionals and families at different levels. Students get acquainted with evidence based interventions to ensure full participation of students with disabilities in everyday, school activities and games. Theoretical training is directly related to mastering practical skills for working with children and students with a variety of special educational needs.

**Course content:**

Core, history and regulations of inclusive education. Medical, social and occupational challenges for children with SEN. A systematic approach to inclusive education. Tiered approach. Partnership for Change. Collaboration in inclusive education. Occupational therapy assessment of children with SEN. Activity and performance analysis. Occupational therapy approaches at the level of the educational system. Universal design in learning. Creating inclusive classroom and supportive environment. Occupational therapy intervention for promoting motivation, roles, habits and routines, for developing skills and special support - for challenging behavior, sensory deficits and specific difficulties in learning activities.

**Teaching and assessment:**

Dynamic and interactive teaching and learning methods, such as presentations, discussions, group and individual assignments, Internet search, reflection, practice with clients and self-study are applied. Students are actively involved in the education process. Continuous assessment is carried out through individual assignments and participation in group work. Students are expected to attend regularly contact hours, to be active and creative, and to meet deadlines. Final grade is based on a written test and the course assignment.

**S00812 Project Development and Management in Occupational Therapy****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturer:**

Prof. Daniel Bratanov, PhD, Dept. Medical and clinical-diagnostic activities, E-mail: dmbratanov@uni-ruse.bg

**Abstract:**

The course has practical application. It examines the characteristics, place and importance of project work in occupational therapy. The aim of training is that students are acquainted with the basic elements and terminology of the project, principles of development, methodology for project activities, rules to prepare application documents and report, project management techniques and control of the project. Particular attention is given to the most common mistakes in project design and the difficulties that typically arise during implementation.

**Course content:**

Project work in occupational therapy – characteristics, tasks and importance. Project cycle and its phases. Resources for successful project design. Elements of the project. Development of a project: exploring the community, idea, justification for the project; formulation of project elements (logical matrix), budget (budget matrix), establishing a project consortium. Project management: project team, team rules, schedule, project management techniques, and control – evaluating and monitoring of the project, project results, quality indicators, preparing a report, including financial. Difficulties in implementing the project. Criteria for evaluating of the completed project.

**Teaching and assessment:**

Teaching is carried out through lectures. Continuous assessment includes three tests. Points are allocated for the tests and attendance, the maximum number being 75. At least 40 points are requested. Students sit a written exam, for which they get maximum 150 points. The final assessment is based on total points collected from students.

**SB17118 Social Medicine, Social Rehabilitation and Health Promotion****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Medical and Clinical-diagnostic Activities, Faculty of Public Health and Health Care

**Lecturers:**

Prof. Nikola Sabev, MD, DSc, Dept. of Medical and Clinical-diagnostic Activities; E-mail: nsabev@uni-ruse.bg

**Abstract:**

The course is based on the eternal importance of the subject and aims introduction to the health systems in the world and the specific features of health care in Bulgaria, as well as learning basic concepts and principles of modern theory of regulation of health systems and processes. The course provides theoretical and practical foundations for the formation of qualified professionals, adequate to the reality, familiar with the principles of functioning, interaction, financing and maintenance of the complex and diverse health system in its different forms of ownership and management.

**Course content:**

Students acquire knowledge in basic formulations applicable to healthcare; basic concepts of health and disease; patterns and trends of public health; new management strategies in the healthcare activities and roles of the future specialists in educating individuals and population groups about healthy lifestyles.

**Teaching and assessment:**

The main form of conducting of the classes is a lecture course. Lectures include conversations, active and interactive discussion forums and research of documents. Multimedia presentations and other visual materials are used. The methodology includes demonstration of a specific problem; solving of model and situational case studies and appropriately selected practical tasks which illustrate and specify the theoretical material. There are two control procedures through a written test and an interview. 100% attendance of lectures, passing control procedures and participation in class discussion is required. The final assessment is based on a written exam, interview on the learning material. Results of current monitoring and participation in the discussions during the sessions are taken into account.

**Weekly classes:** 2lec+0sem+0labs+0ps**Type of exam:** written**Weekly workload:** 2l+0sem+0labs+0ps**Type of exam:** written

**SB16737 Work in an Intercultural Environment****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health, Faculty of Public Health and Health Care

**Lecturers:**

Prof. Juliana Popova, PhD, tel. 888 564, e-mail: jppopova@uni-ruse.bg

Sen. Assist. Prof. Hristina Sokolova, PhD, tel. 888 708, e-mail: hsokolova@uni-ruse.bg

**Abstract:**

The study in this subject unit aims at theoretical clarification and practical interpretation of the issues of cultural otherness as well as at presentation of cultural differences leading to barriers in communication and interactions in an intercultural environment. Their understanding and management makes the world more open to contacts and supports the development of intercultural sensitivity and competence.

**Course content:**

Main characteristics of the intercultural environment. Functions, characteristics and elements of culture. The concepts of mine/ours-foreign and otherness. Acquisition of native culture and foreign culture. The view on cultural grammar and the ideas of eminent researchers in the field of Intercultural Communication. Socio-psychological peculiarities of intercultural communication. The processes of intercultural adaptation and cultural sensibilisation.

**Teaching and assessment:**

Teaching technology envisages the acquisition of the course content through lectures and seminars whose goal is active students' participation in the development of the course units. The final ECTS grade is based on the results from two components: final multiple choice written test, including also case analysis (80%) and participation in discussions and presentations (20%).

**SB14384 Communication Disorders****ECTS credits:** 2**Assessment:** exam**Department Involved:**

Department of Pedagogy

Faculty of Public Health and Health Care

**Lecturer:**

Assoc. Prof. Yuliya Doncheva, PhD, Department of Pedagogy; tel: +359 82 888 219; e-mail: jdoncheva@uni-ruse.bg

**Abstract:**

The purpose of the course is to introduce students to practical methods and skills for identifying, diagnosing and correcting disturbed communication.

**Course content:**

Diagnostics of communication disorders as a foundation of therapy. Types of communication disorders – symptomatic scheme and characteristics. Alalia. Stomatism. Gamatism. Rotatism. Stammer. Speech Therapy in autism. Disarthria. Aphasia. Rhinolalia. Therapy of communication disorders – articulation, motor, respiratory and phonetic, cognitive and linguistic. Structuring and planning speech therapy.

**Teaching and assessment:**

The lectures are structured in 3 modules, each consisting of 5 hours. Students get theoretical knowledge about the topics, as well as practical observation and discussions of speech therapy sessions with children. After each module a written test is given to the students. The final grade is based on the three tests.

**SB16738 Fieldwork IV****ECTS credits:** 8**Assessment:** exam**Department involved:**

Department of Public health

Faculty of Public health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The course is focused on developing practical skills for encouraging social inclusion and inclusive education. Occupational therapy has a key role in the multidisciplinary approach to assuring the inclusion of underprivileged citizens and of students with special educational needs. The fieldwork promotes clinical reasoning and reflective practice along with the foundations of values and beliefs that enable the participant to prepare for ethical professional practice.

**Course content:**

Occupational therapy assessment of socially disadvantaged clients. Selection and application of assessment methods and tools. Analysis of occupation and occupational performance at school and during extracurricular activities. Developing an inclusive classroom. Supporting environment for inclusion in education. Occupational therapy intervention to increase motivation, establish proper roles, habits. Occupational therapy intervention for specialized support.

**Teaching and assessment:**

The fieldwork takes place in social services, mainstream schools, etc. Regular attendance, active and responsible participation in practical training, on time elaboration and submission of coursework is required. The main objective of the course assignment is for the students to develop skills for clinical reasoning and documentation of occupational therapy intervention. The final grade is based on the specific competences demonstrated during the fieldwork and on the course assignment.

**S00838 Orthopaedics, Orthotics and Prosthetics****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Prof. Daniel Bratanov, PhD, Dept. Medical and clinical-diagnostic activities, E-mail: [dbratanov@uni-ruse.bg](mailto:dbratanov@uni-ruse.bg)Assoc. prof. Yordan Andonov, PhD, Dept. of Public Health, e-mail: [jandonov@uni-ruse.bg](mailto:jandonov@uni-ruse.bg)**Abstract:**

The discipline aims to introduce students to the orthotic treatments of injuries and diseases of the musculoskeletal system and amputated limbs replacement with prostheses. A secondary aim of the discipline is to build strategy in the long term process of functional recovery after limb lost or severe injury. The course contributes to the development of clinical thinking necessary to conduct occupational therapy intervention in complex treatment.

**Course content:**

Musculoskeletal traumas. Degenerative and rheumatoid joint diseases. Introduction in orthotics and prosthetics. Principles of orthotic methods. Indications for use of orthotics. Mechanical orthotics. Spinal Orthotics. Cervical orthoses. Special orthoses. Orthoses in spinal deformities and spinal instability. Upper limb orthoses. Biomechanics of the upper limb orthotics. Lower limb orthoses. Biomechanics of lower limb orthotics. Upper and lower limb prosthetics. Endoprosthesis replacement of hip and knee. Auxiliary orthotics. Apparatus and instruments for movement.

**Teaching and assessment:**

During the semester each individual student has to make an orthosis. Semester validation is given based on regular attendance of classes and a positive result of the task for making orthosis. The final grade is based on a written test with 24 open questions. Each correct answer gives 0.25 estimate. The exam is considered passed at least with 10 correct answers.

**Weekly classes:** 0lec+0sem+0labs+6ps+ca**Type of exam:** written**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written test

**S00841 Mental Health****ECTS credits:** 3**Assessment:** exam**Departments involved:**

Department of Public Health

Faculty of Public Health and Healthcare

**Lecturers:**Assoc. Prof. Nikolina Angelova-Barbolova, PhD, MD, Dept. of Healthcare; tel: +359 888747347; e-mail: [nangelova@uni-ruse.bg](mailto:nangelova@uni-ruse.bg)**Abstract:**

The course is focused on the mental health promotion, aetiology, pathology, symptoms, psychodynamics, treatment and prognosis of mental disorders. The main therapeutic principles and community care, as well as the legislation of the country with regard to psychiatric patients are discussed. On completion of this module students will be able to describe and explain the causal relations between the illnesses in which multiple psychological processes are impaired, including thought, perception, emotional life, and behaviour and ADL impairments.

**Course content:**

The course includes study of psychiatric conditions according to diagnostic criteria for the classification of mental disorders such as substance abuse disorders, organic mental disorders, schizophrenia, paranoid personality, affective and anxiety disorders, cognitive disorders.

**Teaching and assessment:**

The main goal of the lectures is to present the theoretical foundations of psychiatric conditions according to diagnostic criteria. Active participation of the students is provoked through discussions, inquiries and clinical cases. Regular attendance of lectures active participation is required. The final grade is based on a written exam.

**S00849 Occupational Therapy for Physical Dysfunction II****ECTS credits:** 4**Assessment:** exam**Departments involved:**

Department of Public health, Faculty of Public Health and Healthcare

**Lecturers:**Assoc. Prof. Petya Mincheva, PhD, Department of Public health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course examines the disruption that a disability may cause to the course of people's lives, taking the experiences of adult persons with orthopaedic, rheumatic conditions and sensory disorders as point of reference. The biomechanical and rehabilitative approaches are examined as methods appropriate to rebuilding the lives of persons with orthopaedic and rheumatic conditions. In this context, special attention will be given to engagement in productive occupations, such as paid employment or other ways of contributing to other people and society through roles, such as housekeeping, participating in local groups or various organisations.

**Course content:**

Biomechanical, rehabilitative and compensatory approaches in connection with orthopaedic and rheumatic conditions. Descriptions and practice of the occupational therapy process for a range of orthopaedic and rheumatic conditions, including assessment, occupational therapy diagnosis, treatment planning and execution, and evaluation of the treatment results. Models and data-gathering methods. Orthotics and prosthetics: assessment, prescription. Sensory disorders.

**Teaching and assessment:**

Students are actively involved in the education through discussions, problem solving and case studies. They build further knowledge and skills of the rehabilitative approach gained in earlier courses and expand their occupational therapy insights through incorporating a life-story perspective, study of the biomechanical approach, and vocational rehabilitation. Seminars and discussion provide opportunity to consider how the newly gained insights and skills can be applied in everyday contexts. Continuous assessment is based on participation, written tests, individual assignments and practical skills. Regular attendance, active participation and responsibility, working out and on time delivering of the assignments are requested. Final grade is based on a written test and the course assignment.

**Weekly workload:** 1l+0sem+0labs+1p**Type of exam:** written**Weekly workload:** 2lec+1sem+0labs+0p+ca**Type of exam:** written test, oral

**S00864 Occupational Therapy in Mental Health****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health, Faculty of Public health and Health Care

**Lecturer:**

Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: litod@uni-ruse.bg

**Abstract:**

The main aim of the course is to provide understanding of the principles and concepts of occupational therapy in mental health and to identify the place for occupational therapy in mental health care in Bulgaria, as well as to increase students' critical awareness and reasoning skills. Special attention is paid to engagement in productive occupations, such as paid employment or other ways of contributing to other people and society through roles, such as housekeeping, participating in local groups or various organisations. The main goal is developing professional thinking, clinical reasoning and practical skills for evidence-based practice with mental health clients.

**Course content:**

Short history and introduction to occupational therapy in mental health. Occupational therapists' role. Scope of practice for mental health. Theoretical models and frames of reference. OT assessment in mental health, methods and tools. Occupational therapy process in mental health. OT intervention in different areas of occupation. Media and methods – physical fitness, living and social skills training, creative activities, group work. Client groups – acute psychiatry, long-term illness, schizophrenia, affective disorders, substance misuse, eating disorders. Community and work place support.

**Teaching and assessment:**

The course has a dynamic structure using interactive presentations, group work, discussion, video and self-study. Students are actively engaged in ongoing debate on the presented ideas. The practical assignments guide students through a pilot process from conceptualization to implementation of occupational therapy initiatives with mentally ill persons. Regular attendance, active participation and responsibility, on time submitting of the assignments are requested. Final grade is based on a written test and the course assignment.

**S00990 Disaster Management****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Prof. Daniel Bratanov, PhD, Dept. Medical and clinical-diagnostic activities, E-mail: dmbratanov@uni-ruse.bg

**Abstract:**

The discipline examines topics related to specific problems in the public safety in cases of natural and manmade disasters, incidents and catastrophic events in relation to the clinical, therapeutic and organizational aspects. The aim of the study is to create knowledge and skills for the student's professional behavior towards their responsibilities in cases of disasters. The education prepares health specialists to execute tasks related to measures of provision to victims of disasters. The role of the occupational therapist during disaster response is of great importance.

**Course content:**

Global problems of the development – interaction society-environment and extraordinary events. The disasters – essence, classifications, general characteristics. Organization of the society for overcoming the disasters. Planning for extraordinary events – essence and steps of the planning process. Management and logistics of emergency situations. Risk reduction, life and property protection, providing of resources for radiation, toxic and other specific disasters. General classification of the disasters. Characteristics of the earthquakes. Seismic waves and earth structure. Seismic of the Earth, Europe, Balkans and Bulgaria. Earthquake prevention and safety. Provision after large scale earthquakes. Radiation incidents. Floods. Transport incidents and terrorism. Biological contamination. Organization of the Health Care in Emergency Situations. Organization of help to disaster victims. Methods and equipment for protection.

**Teaching and assessment:**

Education is provided by lectures supported with audio-visual multimedia equipment: schemes, models, videotapes. Simulation programs and special civil protection equipment is used during the process. Assessment is based on a written test of 24 questions. The minimum for positive assessment is correct answer on 12 questions.

**Weekly workload:** 2lec+2sem+0labs+0ps+ca**Type of exam:** written test, presentation**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written test

**SB16740 Project Work in Occupational Therapy****ECTS credits:** 4**Assessment:****Departments involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturer:**

Prof. Daniel Bratanov, PhD, Dept. Medical and clinical-diagnostic activities, E-mail: dmbratanov@uni-ruse.bg

**Abstract:**

The main aim of the course is that students collaborate with different groups in a project, involve all parties in analysing and describing their situation in a systematic way and develop and write a realistic plan for improvement, which will be implemented by the organisation. They will learn to write a project, including a work plan and budget, and a letter to a funding organisation. The students have to demonstrate abilities to integrate their knowledge, skills and competencies, as well as to develop co-operation skills, like dividing tasks and promoting their profession.

**Course content:**

Background/Justification – problem and needs analysis, presentation of the organization. Project description. Project objectives, outcomes and activities (LFM-logical framework matrix). Workplan. Dissemination and sustainability. Quality control and monitoring. Project management and implementation.

**Teaching and assessment:**

The students will work in small groups and choose a school, NGO or other organisation, which is willing to collaborate in a project aiming for inclusion of persons with disabilities. Together with the different partners/clients the participants will describe the present situation, the strengths and weaknesses and develop a plan for improvement. During practicals students present and discuss the development of the stages and implementation of the project. Points are allocated for attendance and for the final presentation of the project proposal. The final assessment is based on the total number of points collected by the student and on the quality of the project proposal.

**SB16750 Fieldwork V****ECTS credits:** 8**Assessment:** exam**Departments involved:**

Department of Public Health,

Faculty of Public Health and Health Care

**Lecturer:**

Assoc. Prof. Petya Mincheva, Dep. of Public Health, e-mail: pmincheva@uni-ruse.bg

Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: litod@uni-ruse.bg

**Abstract:**

The course provides students with the opportunity for practical application in real context of assessment tools related to occupational performance and occupational therapy intervention for adults with physical and mental disabilities in order to prevent and overcome the activity limitations and participation restrictions. The fieldwork experience promotes clinical reasoning and reflective practice along with the foundations of values and beliefs that enable the participant to prepare for ethical professional practice. The main goal is to develop practical skills, responsibility, clinical reasoning and ethical attitude to occupational therapy intervention.

**Course content:**

Interviewing, observation, assessment and intervention with clients with orthopaedic conditions – hand injuries, lower extremity injuries and diseases, back pain. Interviewing, observation, assessment and intervention with clients with rheumatoid conditions. Occupational therapy assessment of mentally ill clients – mental state, assessment methods and tools. Planning, organizing and conducting group work for people with mental illness. Evaluation of the group work by students and clients.

**Teaching and assessment:**

The main fieldwork placements are the Multi-profile Hospital for Active Treatment and the Mental Health Centre in Ruse. Students work individually and in groups. Periodically, and at the end of each stage, the conducted activities are discussed. Continuous control is carried out through students' individual assignments and the demonstrated skills, responsibility and respect during fieldwork. Final grade is based on a criterion system and scoring system developed for each competence.

**Weekly workload:** 0lec+2sem+0labs+0p+cp**Type of exam:****Weekly workload:** 0lec+0sem+0labs+6p+ca**Type of exam:** written



**SB16741 Introduction to Physiotherapy****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Healthcare

**Lecturers:**Assoc. Prof. Irina Karaganova, PhD, Department of Public Health, e-mail: [ikaraganova@uni-ruse.bg](mailto:ikaraganova@uni-ruse.bg)**Abstract:**

The purpose of training in the discipline is to acquire basic knowledge, skills and competencies for prevention, recovery and maintenance of optimal function and quality of life in individuals with loss or impairment of motor and physiological functions.

**Course content:**

Physiotherapy - historical development, nature, principles, types and stages. Object and subject of the physiotherapy. General indications and contraindications for the use of physiotherapy. Purpose, tasks and basic principles for the application of kinesitherapy. Features of the application of physiotherapy in various diseases and disorders. Basic and specialized methods of the physiotherapy - classification, purpose, tasks and their place in complex therapy and rehabilitation. Basic means of the physiotherapy. Physiotherapy for cardiovascular dysfunction. Physiotherapy for respiratory dysfunctions. Physiotherapy for neuromuscular dysfunctions. Physiotherapy in childhood. Physiotherapy in old age. Physiotherapy for women's health.

**Teaching and assessment:**

The training in the discipline is carried out through lectures and controlled individual work. The lecture course introduces students to the theoretical foundations of the specialty of physiotherapy. It is illustrated with modern multimedia equipment and relevant examples from practice. Interactive teaching and assessment methods (individual assignments and tests at the end of some lectures) are used to maintain the interest and activity of the student audience. The training in the discipline ends with an exam, including answers to questions from the studied theoretical material.

**SB17137 Adapted Physical Activity****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Irina Karaganova, PhD, Department of Public Health, E-mail: [ikaraganova@uni-ruse.bg](mailto:ikaraganova@uni-ruse.bg)**Abstract:**

The course introduces students to the field of Adapted Physical Activity as a mean of Psychomotor Rehabilitation and social integration of people with disabilities. Educational content describes Adapted Physical Activity based on the principles of Adaptation Theory and the model Person-Action-Environment; International Classification of Functioning, Disability and Health; Humanistic Philosophy; contemporary Sociology and Ecology. The aim of education is to equip students with professional attitudes and present opportunities for use of appropriate adapted physical activity and sport for people with various disabilities from different age groups to further specialization and career in this field.

**Course content:**

Introduction and Bases of Adapted Physical Activity. Adapted Physical Education – nature, goals, organisation, personnel, planning. Inclusion and Adapted Physical Activity/Adapted Physical Education. Recreational and elite sports for persons with disabilities. Adapted Physical Activity and Sports in rehabilitation. Adapted Physical Activity and Sports in chronic diseases and permanent damage leading to disability. Features of Adapted Physical Activity in early and advanced age. Adapted Physical Activity and Sports – management, social inclusion and integration, legislation.

**Teaching and Assessment:**

Training consists of lectures and self-study. Continuous guidance and assessment of students is done through discussions and treatment sessions with patients. Attendance and active participation in lectures, development and on time submission of written assignments are required. The final mark is based on the outcome of written examination and ongoing discussion.

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written, oral**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** written

**SB16742 International Module****ECTS credits:** 1**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The aim of the course is to encourage development of skills for working in an international, intercultural and digital environment through participation in international modules within student mobility, as well as through short-term and online learning modules. It develops the 21st century skills and digital skills that are considered a prerequisite for tackling future challenges in any profession. Intercultural competence and sensitivity to social and cultural aspects that affect life and occupations are particularly important in occupational therapy.

**Course content:**

The training consists of lectures according to the content of the international module within the course hours. Lectures include general topics related to working in an international team, cultural diversity, benefits of participating in international modules, etc., as well as specific topics of the module, e.g. universal design. Students have the opportunity to choose between 8 modules developed under the COPILOT project (Cooperative Online Peer-assisted and Intercultural Learning in Occupational Therapy).

**Teaching and assessment:**

Lectures are presented through webinars and videos. Students work in small groups in a flexible mode parallel to their studies. They are actively engaged through individual work, group discussion, group assignments, reflection and feedback on teamwork and communication. Students are expected to develop individual assignments, as well as systematic, active and creative participation in group discussions and the development of the final product (report, presentation, video, podcast, etc.). The final grade is based on the participation, achievements and reflection of the student and the quality of the final product.

**SB14435 Summer Fieldwork II****ECTS credits:** 4**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, E-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The aim of the summer fieldwork is to promote resilient transition from theory to practice by facilitating quality of education through fieldwork experience. It complements the academic knowledge by exposing students to clinical reasoning and preparing them for increasing professional responsibility. The students develop understanding of individuals, groups and communities with whom they work and have the opportunity to collaborate with a variety of professionals. The fieldwork experience aims to facilitate entrepreneurial behaviour.

**Course content:**

During the second summer internship, students apply an occupational therapy process to children and adults with disadvantage, with physical disabilities or mental disorders. Students work in the field of social inclusion of children and disadvantaged or disabled people, as well as with people with orthopaedic, rheumatoid diseases and mental disorders.

**Teaching and assessment:**

The summer fieldwork involves 4 weeks and is carried out at social, rehabilitation and health facilities for children and persons with physical disabilities or mental disorders. Fieldwork placements are negotiated with the supervising teacher. Students conduct occupational therapy intervention in emerging practice areas under direct supervision by health and educational professionals. Distance supervision by the responsible teacher is provided. Final grade is based fulfilled specific competences and course assignment.

**Weekly classes:** 1lec+0sem+0labs+0ps**Type of exam:** report or presentation**Weekly workload:** 0lec+0sem+0labs+30ps**Type of exam:** written

**SB11370 Occupational Therapy in Geriatrics****ECTS credits:** 5**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Asoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, E-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course examines the disruptions that normal ageing process and related diseases can cause in the occupational performance of the person and focuses on the contribution of occupational therapy to promote and maintain the quality of life and well-being in the elder person. Special attention is given to the support that occupational therapists can give to the caregivers of the elderly. The main aim of the course is to give students an understanding of the principles and concepts of occupational therapy in elder care and to identify its role in elder care. The training contributes to increasing the critical awareness and clinical/therapeutic reasoning skills of the students.

**Course content:**

Theoretical models in geriatric occupational therapy. Demographic, health and social problems, institutions and services for elderly persons. Methods, assessment tools and principles of the occupational therapy process with elder persons. Occupational therapy intervention for occupational disruption due to physical, cognitive and psycho-social dysfunction, associated with the ageing process. Falls and fall prevention. Occupational therapy in chronic and terminal illness. Environmental modifications and adaptations. Community-based rehabilitation: continuing and palliative care and health promotion for successful ageing.

**Teaching and assessment:**

Students are actively involved in the education through discussions, problem solving and case studies. By working with elderly and their families at different settings and home environment the students can apply the knowledge from this course in practical situations. Continuous control is carried out through participation, individual assignments and practical skills. Regular attendance, active participation and responsibility, working out and on time delivering of the assignments are requested. Final grade is based on a written test and the course assignment.

**SB17119 Occupational Therapy for Learning Disabilities****ECTS credits:** 5**Assessment:** exam**Departments involved:**

Department of Public Health,

Faculty of Public Health and Healthcare

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The main aim of the course is to develop skills in occupational therapy intervention with adults with learning disabilities, recognising that adults can still learn and develop further, despite having lacked opportunities for learning or treatment as children. The emphasis is placed on establishing contact and engaging with persons with learning disabilities to enable them to interact with others and their environment and exercise some control over and choice within their lives. As a basis for working in this area occupational therapists require a sound knowledge of normal and abnormal child development and the treatment methods and techniques used in working with persons with abnormal development and their families/carers.

**Course content:**

Learning disability – nature, definition, prevalence, etiology. Models, strategies and characteristics of occupational therapy process with persons with learning disabilities. Occupational Therapy for persons with severe learning disabilities – positioning, self-care and communication. Occupational therapy for challenging behaviour – nature, assessment and therapeutic approaches. Occupational therapy in autism – definition, diagnosis, therapeutic approaches. Community-based rehabilitation – services and support for people with learning disabilities.

**Teaching and assessment:**

The course has a dynamic structure using various teaching methods – interactive presentations, video, group work, discussions and self-study. Students are expected to draw continually on previous knowledge, to challenge the ideas presented and to join in ongoing debate with the lecturer. Current control is carried out through participation, individual assignments and practical skills. Regular attendance, active participation and responsibility, working out and on time delivering of the assignments are requested. Final grade is based on a written test and the course assignment.

**Weekly workload:** 2l+1sem+0labs+0p+ca**Type of exam:** written, presentation**Weekly workload:** 2l+1sem+0labs+0p+ca**Type of exam:** written test, presentation

**SB10861 Basics of Research****ECTS credits:** 3**Assessment:** exam**Departments involved:**Department of Public Health,  
Faculty of Public Health and Health Care**Lecturers:**

Sen. Assist. prof. Denitza Vasileva, PhD, Dept. of Public Health, e-mail: ddechewa@uni-ruse.bg

**Abstract:**

The purpose of the course is that students acquire knowledge about the nature, role and significance of scientific research in contemporary society and their future profession. They get to learn about its methodology, the peculiarities of planning, organization and its various forms, scientific research implementation, requirements for different types of scientific publications, criteria and indicators for evaluation obtained results and develop appropriate skills and competences. The course prepares students for participation in research teams under the guidance of a teacher, directing them to the proper use of scientific literature.

**Course content:**

Science and scientific knowledge. Object and subject in science. Historical development. Differentiation and integration of scientific knowledge. Science and social development. Objective and subjective factors and prerequisites for research. Essence, functions and levels of methodological knowledge. Methods of knowledge - general and specific, theoretical and empirical. Organization and forms, planning and conducting research. Objectivity, reliability and validity of empirical data. Presentation of results. Types of scientific publications. Bibliography on the topic. Language and style. Editing. Criteria and indicators for evaluating the results of research.

**Teaching and assessment:**

In lectures talk, discussions are applied. Appropriate techniques and teaching materials are used as well. A course task (individual or team) is assigned. The current control is achieved on the basis of task performance, taking into account cognitive activity and autonomy and the individual responsibility of the students. The final grade is formed by the overall assessment of the current control and the mark of the exam.

**SB17139 Social Statistics****ECTS credits:** 3**Assessment:** exam**Department involved:**Applied Mathematics and Statistics  
Faculty of Public of Public Health and Health Care**Lecturers:**Prof. Velizar Pavlov, MSc, PhD, Dept. of Applied Mathematics and Statistics,  
tel.: 888 466, E-mail: vpavlov@uni-ruse.bgPr. Assist. Prof. Maya Markova, MSc, PhD, Dept. of Applied Mathematics and Statistics,  
tel.: 888 424, E-mail: mmarkova@uni-ruse.bg**Abstract:**

The discipline aims to provide students with skills in social statistics and working with statistical software package SPSS.

**Course content:**

The course includes elements from: descriptive statistics, inferential statistics, regression and correlation analysis.

**Teaching and assessment:**

The training process is organized in lectures and practical classes. During lectures theoretical issues are presented and illustrated with appropriate exemplary problems from practice. During practical exercises students solve problems connected with the practice using computers.

Final grade = the grade on the exam.

**Weekly workload:** 2lec+0sem+0labs+0p+ca**Type of exam:** written**Weekly classes:** 1lec+0sem+0labs+1ps**Type of exam:** written

**SB16743 Fieldwork VI****ECTS credits:** 8**Weekly workload:** 0lec+0sem+0labs+6p+ca**Assessment:** exam**Type of exam:** written**Departments involved:** Department of Public Health, Faculty of Public Health and Health Care**Lecturers:**Assoc. Prof. Petya Mincheva, Dept. of Public Health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)Martin Grozev, MSc, Daily center RALIZ, e-mail: [martingenchev89@abv.bg](mailto:martingenchev89@abv.bg)**Abstract:**

The course provides students with the opportunity for practical application in real context of assessment tools related to occupational performance and occupational therapy intervention for elderly and adults with learning disabilities in order to prevent and overcome the activity limitations and participation restrictions. The fieldwork experience promotes clinical reasoning and reflective practice along with the foundations of values and beliefs that enable the participant to prepare for ethical professional practice. The main goal is to develop practical skills, responsibility, clinical reasoning and ethical attitude to occupational therapy intervention.

**Course content:**

Occupational therapy intervention for occupational performance issues commonly associated with the ageing process. Strategies for fall prevention. Environmental modifications and adaptations. Supporting occupations for elderly with dementia, chronic diseases. Community intervention: continuing care, palliative care and health promotion and successful ageing. Individual research with elderly. Behaviour modifications for persons with learning disabilities – challenging behaviours, autistic spectrum disorder, mental ill health, self-injurious behaviour. Working with families and multidisciplinary teamwork.

**Teaching and assessment:**

The main fieldwork placements are healthcare and social facilities for elderly and persons with learning disabilities. Students work individually and in groups with clients with occupational performance issues caused by the aging process and mental delay. Periodically, and at the end of each stage, the conducted activities are discussed. Current control is carried out through student' individual assignments and the demonstrated skills. Final grade is based on a criterion and scoring system developed for each competence.

**S00542 Working with Parents of Disabled Children****ECTS credits:** 3**Weekly workload:** 0l+2sem+0labs+0ps**Assessment:** exam**Type of exam:** written**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Petya Mincheva, Dept. of Public Health, e-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)Ana Ancheva, MSc, Child and space NGO, E-mail: [aancheva@yahoo.bg](mailto:aancheva@yahoo.bg)**Abstract:**

The course introduces key aspects of the relationship between parents and their disabled children, the stages of acceptance of a different child, as well as therapeutic approaches and strategies for effective intervention with families. Students get knowledge and skills for developing, implementing and documenting of programmes for working with families, as well as for organizing group sessions with parents.

**Course content:**

The family as a social structure. The approach for informing parents about the disability. Prevention of abandonment at birth. Grieving and attachment theories. Working with the child by request of the parents. Parents as members of the MDT. Documentation of case work. Activities in support of parents within the statutory services for children with disabilities. Parents' peer support networks, cooperatives and NGOs. Regulations related to supporting families of disabled children in Bulgaria and mechanisms for providing support. Developing questionnaires for exploring parents' attitudes and needs. Working with parents in real life situations. Risk assessment.

**Teaching and assessment:**

Training stimulates and requires the active participation of students. The main teaching methods are presentations and movies, group and individual work, role play, case studies, discussions, written assignments. Each student works on an individual assignment, which includes developing three activities to support parents based on exploring and analysis of existing practices at their place of living. The final grade is based on the individual assignments and an examination test.

**SB16744 Early Intervention in Occupational Therapy****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health,

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, E-mail: [pmincheva@uni-ruse.bg](mailto:pmincheva@uni-ruse.bg)**Abstract:**

The course aims to enrich student's knowledge in the field of early intervention approach with disabled children. The students acquaint skills in application of early intervention approach in home settings and community services. They are trained to recognize the role of the family; to apply positioning and handling techniques in caring for disabled children from birth to the age of three years.

**Course content:**

Multidisciplinary teams. Community-based services for children. Role of occupational therapy in early intervention. Premature born children – assessment and early intervention. Consultation in early intervention. Positioning and handling of disabled and premature infants. Early intervention in home settings and community services. Working with parents in early intervention settings.

**Teaching and assessment:**

In the course of education students gain knowledge of the theoretical foundations of early intervention approach in occupational therapy. Training is conducted in an interactive form with the active participation of students in discussions, problem solving and case studies. The current control is carried out on the base of attendance and semestrial individual work of the students. The final grade is based on a written test and case presentation.

**SB17577 International Module****ECTS credits:** 3**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**Assoc. Prof. Liliya Todorova, PhD, Dept. of Public Health, e-mail: [litod@uni-ruse.bg](mailto:litod@uni-ruse.bg)**Abstract:**

The aim of the course is to encourage development of skills for working in an international, intercultural and digital environment through participation in international modules within student mobility, as well as through short-term and online learning modules. It develops the 21st century skills and digital skills that are considered a prerequisite for tackling future challenges in any profession. Intercultural competence and sensitivity to social and cultural aspects that affect life and occupations are particularly important in occupational therapy.

**Course content:**

The training consists of lectures and practicals according to the content of the international module within the course hours. Lectures include general topics related to working in an international team, cultural diversity, benefits of participating in international modules, etc., as well as specific topics of the module, e.g. universal design. Students have the opportunity to choose between 8 modules developed under the COPILOT project (Cooperative Online Peer-assisted and Intercultural Learning in Occupational Therapy).

**Teaching and assessment:**

Students work in small groups in a flexible mode parallel to their studies. They are actively engaged through individual work, group discussion, group assignments, reflection and feedback on teamwork and communication. Students are expected to develop individual assignments, as well as systematic, active and creative participation in group discussions and the development of the final product (report, presentation, video, podcast, etc.). The final grade is based on the participation, achievements and reflection of the student and the quality of the final product.

**Weekly workload:** 0l+2sem+0labs+0p**Type of exam:** written test, presentation**Weekly classes:** 0lec+2sem+0labs+0ps**Type of exam:** report or presentation

**SB16745 Management of Occupational Therapy Practice****ECTS credits:** 3**Assessment:** exam**Department involved:**Department of Business and Management  
Faculty of Public Health and Health Care**Lecturers:**Assoc. Prof. Emil Papazov, PhD, Dept. of Business and Management, tel.: +359 82 888 518,  
E-mail: epapazov@uni-ruse.bgAssoc. Prof. Lyudmila Mihaylova, PhD, Dept. of Business and Management, tel.: +359 82 888 518,  
E-mail: lmihaylova@uni-ruse.bg**Abstract:**

This course will present the theoretical rationale of the main issues in management. It will evaluate the total perspective and the means by which they are created and sustained, including advantage in today's increasingly challenging and complex environment. It will also offer a systematic approach to situational analysis, research and analysis, coordination of goals and objectives, resources and interests with the help of planning, management and control.

**Course content:**

Introduction: essence, content and functions of management of occupational therapy practices, its peculiarities and aims. Planning, company structure and organization, leadership and control. Relationships between occupational therapy practices and some important stakeholders and institutions.

**Teaching and assessment:**

The traditional way of delivering lectures will be enriched by visual materials put on slides and or multimedia packages. The continuous assessment is on the basis of discussions and students' participation. The final grade will depend on the note from the continuous assessment (40%) and from the final exam (60%).

**Weekly workload:** 2lec+0sem+0labs+0ps**Type of exam:** written**SB16746 Social Entrepreneurship****ECTS credits:** 3**Assessment:** exam**Department involved:**Business Development and Innovations,  
Faculty of Public Health and Health Care**Lecturers:**1. Assoc. Prof. Milena Kirova, Dept. of Business development and innovations, tel:888737, [mkirova@uni-ruse.bg](mailto:mkirova@uni-ruse.bg)2. Assoc. Prof. Emil Kotsev, Dept. of Business development and innovations, tel:888726, [ekotsev@uni-ruse.bg](mailto:ekotsev@uni-ruse.bg)**Abstract:**

The course aims to provide students with some general knowledge about social entrepreneurship and to acquaint them with some specific methods and approaches for starting and managing own business. During the development of the program it has been taken into consideration that most of the students don't have sufficient knowledge, experience and skills. The here applied content and teaching approach has been developed thanks to the international project INNOVENTER. Following the approach "from general to specific", the lectures accent on specific problems of social entrepreneurship. Some of the knowledge students gain by analyzing the experience of appropriate social entrepreneurs.

**Course content:**

Introduction to Social Entrepreneurship; Entrepreneurship Process; Identifying Social Entrepreneurship in Practice; Brief Overview of Social Change Theories and Dilemmas; Social exchange Theory; Social Capital Basics; Social Networks as Base of Social Capital; Determinant Personality Traits to Establish a Successful Social Enterprise; Social Enterprise Business Plan Development; Legislation; Lasting Success. Trends in the development of social entrepreneurship in Bulgaria.

**Teaching and assessment:**

Students learn the core elements of each topic during the lectures. Discussions and cases studies are among the main didactical techniques. The on-line teaching materials at [e-learning.uni-ruse.bg](http://e-learning.uni-ruse.bg) is the fundament for successful "blended" learning. The final grade is formed as an arithmetic mean of the grades of the written test and the oral examination, provided that the grade of the written examination is at least satisfactory (3).

**Weekly classes:** 2 lec+0sem+0 labs+0 ps**Type of exam:** written and oral

**S01023 Pregraduation Internship****ECTS credits:** 16**Assessment:** exam**Department involved:**

Department of Public Health

Faculty of Public Health and Health Care

**Lecturers:**

Assoc. Prof. Petya Mincheva, PhD, Dept. of Public Health, E-mail: pmincheva@uni-ruse.bg

**Abstract:**

The pre-graduation internship is a full-time commitment for 11 weeks following successful completion of the academic programme. It provides students with advanced opportunities to integrate academic knowledge with application skills and attitudes for entry level practice. The OT intern is expected to develop competence to provide the full scope of OT services ranging from evaluation, intervention planning, provision of services, discharges planning, documentation and representing the OT perspective as a member of the multidisciplinary team in each facility. Upon completion of this final stage of the education the student is expected to have attained entry-level competences for the profession.

**Course content:**

Occupational therapy process including assessment, intervention planning and implementation and evaluation, with clients with various impairments and ages. The fieldwork should cover the main client groups in occupational therapy – children, adults with physical and mental health disorders, and elderly. Community-based occupational therapy and role-emerging placements.

**Teaching and assessment:**

The pre-graduation fieldwork is carried out at a variety of settings and contexts – hospitals, wards, institutions and daily centres for children and adults with physical disabilities and mental health problems. Students conduct occupational therapy intervention in emerging practice areas under direct supervision carried out by health and educational professionals. Distance supervision by the responsible teacher is provided. Students are requested to present week diary, reports on the occupational therapy process with a predefined number of clients, review of an article, and group work. Final grade is based on the specific competences achieved during the internship and on written reports.

**S02260 State Exam****ECTS credits:** 10**Assessment:** defence**Department involved:**

Department of Public Health,

Faculty of Public Health and Health Care

**Supervisors:**

Lecturers and experts in the professional field

**Abstract:**

At least three qualified teachers from Public health scientific direction and one specialist from practice, included in the State Board of Examiners, approved by order of the rector.

**Annotation:**

The state examination provides opportunities to undergraduates to demonstrate theoretical knowledge acquired during education, integrating understanding in fundamental, clinical and special disciplines. The state exam consists of a written development of two questions from the outline and development of an assigned case study. The state State Board of Examiners asks the student questions about the questions from the exam and the case study, and, if necessary, about other theoretical questions.

**Course content:****Teaching and assessment:**

The State Board of Examiners reaches a consensus on the evaluation of each student and the results are announced at the end of the examination procedure to all students who appeared. The Department of Public Health is responsible for conducting the state exam.

**Weekly workload:** 0lec+0sem+0labs+30ps**Type of exam:** written and oral**Weekly classes:** 0lec+0sem+0labs+0ps**Type of exam:** oral



**S01033 Bachelor Thesis****ECTS credits:** 10**Assessment:** defence**Department involved:**

Department of Public Health,

Faculty of Public Health and Health Care

**Supervisors:**

Lecturers and experts in the professional field

**Abstract:**

The main aim of the bachelor thesis is that students develop skills to design, implement and evaluate a research project on an applied scientific problem in the area of occupational therapy. Graduates have the opportunity to apply in a creative and critical manner previously acquired theoretical knowledge, practical skills and attitudes for achieving the goals and objectives of the bachelor thesis and to present their research successfully to the State Board of Examiners.

**Course content:**

Defining the topic and the research supervisor. Determining the general structure of the bachelor thesis. Literature review. Designing and implementing of the research. Analysis and discussion of the results, conclusion and recommendations. Developing of the bachelor thesis. Guidelines for the defence.

**Teaching and assessment:**

The bachelor thesis is an assignment, developed by the student independently under the supervision of a teacher on a confirmed by the department topic. The supervisor supports the student in all stages of the development and defense of the thesis. Students present and defend their Bachelor Thesis to the State Board of Examiners, which consists of at least three habilitated lecturers, as well as experts in the professional field.

**Weekly classes:** 0lec+0sem+0labs+0ps**Type of exam:** oral