МЕДИЦИНСКИ УНИВЕРСИТЕТ - ВАРНА
„Проф. д-р Параскев Стоянов"
Ул."Марин Дринов" 55, Варна 9002, България
Тел. : 052/ 65 00 57, Факс: 052/ 65 00 19
e-mail: uni@mu-varna.bg, www.mu-varna.bg

MEDICAL UNIVERSITY - VARNA
"Prof. Dr. Paraskev Stoyanov"
55, Marin Drinov Str., 9002 Varna, Bulgaria
Tel.: +359 52/ 65 00 57, Fax: + 359 52/ 65 00 19
e-mail: uni@mu-varna.bg, www.mu-varna.bg

FACULTY OF MEDICINE

Approved:
Dean:
(Prof. Dr. Zlatislav Stoyanov Dimitrov, DSc)

SYLLABUS

EMERGENCY MEDICAL ASSISTANCE IN DISASTROUS SITUATIONS

Specialty	**MEDICINE**
Educational - qualification degree	**master**
Organizational form of education	**full-time**
Auditorial activity (Lectures/Seminars)	**30 (0/30)**
Extra-auditorial activity	**30**
ECTS- credits	**2**
Discipline type	**elective**
Semesters of education	**VI, VIII or X**
Semesters of examination	**VI, VIII or X**
Developers of the Syllabus:	**Assoc. prof. Nikolina Radeva, PhD**
	Dr. Teofan Kuyumdzhiev, PhD

Varna, 2023

ANNOTATION

Aims of the course	Build skills to make independent decisions about the condition of casualties and emergency measures related to providing medical care at the scene without the aid of paraclinical and imaging studies in disaster situations.

Outcomes for students at the end of the course:	
Competences	
Competence group	1. **Patient Care** that is compassionate, appropriate, and effective for treating health problems and promoting health.
Knowledge	▪ Organization and provision of first aid in a disaster area (traumatic injuries, radiation and chemical injuries).
Skills	▪ Understand the components of trauma system and how they interact. ▪ Ensure adequate preparation to receive injured patients. ▪ Access the injured patient rapidly and accurately. ▪ Diagnose immediate threats to life and deal with them in order of their priority. ▪ Resuscitate injured patient.
Competence group	2. **Medical Knowledge** about established and evolving biomedical, clinical, and cognate (eg, epidemio-logical and social-behavioral) sciences and the application of this knowledge to patient care.
Knowledge	▪ Basic familiarization with the crucial actions and instruments used while treating the emergency cases.
Skills	▪ Use of various means in ensuring airway patency. ▪ Providing emergency care for chest trauma at the scene of the accident. ▪ Treatment of wounds at the scene and at the medical station (field hospital). ▪ Correct use of immobilization devices on casualties. ▪ Evacuation of casualties.

Key competencies for lifelong learning[1], that the discipline develops:	
Literacy competence Literacy is the ability to identify, understand, express, create, and interpret concepts, feelings, facts and opinions in both oral and written forms, using visual, sound/audio and digital materials across disciplines and contexts. It implies the ability to communicate and connect effectively with others, in an appropriate and creative way.	**X**
Multilingual competence This competence defines the ability to use different languages appropriately and effectively for communication. It broadly shares the main skill dimensions of literacy: it is based on the ability to understand, express and interpret concepts, thoughts, feelings, facts and opinions in both oral and written form (listening, speaking, reading and writing) in an appropriate range of societal and cultural contexts according to one's wants or needs.	
Mathematical competence and competence in science, technology, engineering A. Mathematical competence is the ability to develop and apply mathematical thinking and insight in order to solve a range of problems in everyday situations. Building on a sound mastery of numeracy, the emphasis is on process and activity, as well as knowledge. Mathematical competence involves, to different degrees, the ability and willingness to use mathematical modes of thought and presentation (formulas, models, constructs, graphs, charts). B. Competence in science refers to the ability and willingness to explain the natural world by making use of the body of knowledge and methodology employed, including observation and experimentation, in order to identify questions and to draw evidence-based conclusions. Competences in technology and engineering are applications of that	

[1] As defined in 2018 r. by the European Union Council (https:/ eur-lex.europa.eu/legal-content BG/TXT/HTML/?uri=CELEX:32018H0604(01)&from=EN)

knowledge and methodology in response to perceived human wants or needs. Competence in science, technology and engineering involves an understanding of the changes caused by human activity and responsibility as an individual citizen.	
Digital competence Digital competence involves the confident, critical and responsible use of, and engagement with, digital technologies for learning, at work, and for participation in society. It includes information and data literacy, communication and collaboration, media literacy, digital content creation (including programming), safety (including digital well-being and competences related to cybersecurity), intellectual property related questions, problem solving and critical thinking.	
Personal, social and ability to acquire competence Personal, social and ability to acquire competence is the wish to reflect upon oneself, effectively manage time and information, work with others in a constructive way, remain resilient and manage one's own learning and career. It includes the ability to cope with uncertainty and complexity, mnage to learn, support one's physical and emotional well-being, to maintain physical and mental health, and to be able to lead a health-conscious, future-oriented life, empathize and manage conflict in an inclusive and supportive context.	**X**
Citizenship competence the ability to act as responsible citizens and to fully participate in civic and social life, based on an understanding of social, economic, legal and political concepts and structures, as well as global developments and sustainability.	
Entrepreneurship competence Entrepreneurship competence refers to the capacity to act upon opportunities and ideas, and to transform them into values for others. It is founded upon creativity, critical thinking and problem solving, taking initiative and perseverance and the ability to work collaboratively in order to plan and manage projects that are of cultural, social or financial value.	
Cultural awareness and expression competence Competence in cultural awareness and expression involves having an understanding of and respect for how ideas and meaning are creatively expressed and communicated in different cultures and through a range of arts and other cultural forms. It involves being engaged in understanding, developing and expressing one's own ideas and sense of place or role in society in a variety of ways and contexts.	

Methods of education
▪ Seminars. ▪ Independent work with scientific literature, databases, etc.

Links with other courses from the curriculum of the specialty
▪ **Builds upon knowledge acquired in/Depends on:** ○ Anatomy and physiology. ▪ **Necessary for the following disciplines:** Surgery, orthopaedics and emergency medicine. ▪ **Other related disciplines:** ○ Disaster medicine, Marine medicine and First aid at office and home.