



COURSE UNIT DESCRIPTION (2023-2024)

Course unit title	Code
Introduction to Medical Studies (2023-2024)	MHUP2113

Lecturer	Department
<p>Coordinating: Assoc. Prof. dr. Aistis Žalnora Other: asist. Monika Ramonaitė, asist. dr. Eglė Sakalauskaitė-Juodeikienė, lekt. Viktorija Šimkutė</p> <p>Prof. dr. (HP) Jūratė Šipylaitė, Assoc. Prof. dr. Robertas Badaras, Assoc. Prof. dr. Andrius Klimašauskas, Assoc. Prof. dr. Mindaugas Šerpytis, Teaching Assist. Gabija Laubner-Sakalauskienė, Teaching Assist. Gintarė Šostakaitė, Lect. Aušra Bučaitė-Matulianecė, Lect. Lukas Gambickas, Lect. Dalia Gineitytė-Ozolinčė, Lect. Vilma Kuzminskaitė, Lect. Indrė Lapinskienė, Lect. Gabrielė Ledinauskienė, Lect. Eglė Ruzgytė-Norvydė, Lect. Tomas Strainys, Lect. Dainius Trybė</p>	<p>Vilnius University, Faculty of Medicine, Institute of Health Sciences, Centre for Health Ethics, Law and History;</p> <p>Institute of Clinical Medicine, Clinic of Anaesthesiology and Intensive Care, Santariskiu str. 2, Vilnius</p>

Cycle	Level of the course unit	Type of the course unit
Integrated	-	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Lectures and seminars, practice in the operating theatre, intensive care unit and simulator class.	Year I, semester I	English

Prerequisites and corequisites	
Prerequisites: none	Corequisites: none

Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
5	133	66	67

Purpose of the course unit Programme competences to be developed
<p>The purpose of this course is:</p> <p>To develop students' ability to evaluate contemporary medical issues in the context of the history of science, to think critically, to judge themselves critically, to express ideas logically and to distinguish essential facts from the subsidiary ones. Furthermore, this course aims to improve students' discussion skills, to cultivate their capability of information collection and analysis, to promote honesty and responsibility, to incite their interest in new scientific discoveries and both national and worldwide culture.</p> <p>To provide basic life support and first aid.</p>

Learning outcomes of the course unit	Teaching and learning methods	Assessment methods							
-be able to think critically; -be self –critical; -be creative and proactive; -be able to strive for goals persistently; -be sociable, pleasant and friendly.	Lectures, seminars, presentations, to provide contradictory arguments, discussions.	Presentation							
-recognize the limits of their competencies; -be able to work in a team.	Lectures, seminars, presentations, to provide contradictory arguments, discussions.	Colloquim. Answer to the open questions in writing							
- be able to analyze and make generalizations; - be able to learn independently both during the studies and the life time; -be able to conduct scientific research.	Lectures, seminars, presentations, to provide contradictory argument, discussions.	Answer to the open questions in writing							
- understand cultural and environmental diversity; - seek for knowledge in various fields and not restrict their area of interest to the medical sciences.	Lectures, seminars, presentations, to provide contradictory arguments, discussions.	Answer to the open questions in writing							
-to apply scientifically based evidences in practice; - be able to conductsearch of required medical literature and evaluate it critically.	Lectures, seminars, presentations, to provide contradictory arguments, discussions.	Answer to the open questions in writing							
Knowledge of resuscitation, providing basic life support and first aid according up-to-date EU standards.	Practical training in the intensive care unit, also in the simulator classes and workshop-stations (mannequins), seminars.	Continuous evaluation of knowledge and skills achieved in simulator classes, also during analysis of clinical cases. Test in a written form at the end of the course.							
Topics	Contact work hours							Time and tasks of self-study	
	Lectures	Consultations	Seminars	Practice	Laboratory work	Practical training	Total contact hours	Self-study	Tasks
1. The object of medical history. Medicine in the primitive societies. Medicine in Ancient Civilizations: Mesopotamia, Egypt	2	1	3				6	6	To read required literature, to prepare for the presentations.
2. Medicine in Eastern Civilizations: China, India	2		2				4	4	To read required literature, to prepare for the presentations.
3. Medicine in Ancient Greece. Hippocratic tradition.	1		2				3	3	To read required literature, to prepare for the presentations.

4. Medicine in ancient Rome. Medicine in the Byzantine Empire; medicine in the Arabic Caliphates and Central Asia.	1		1				2	3	To read required literature, to prepare for the presentations.
5. Medicine in Western Europe and Lithuania in the Middle Ages. The first „Hostels of God”(hospitals). The surgeon-barbers’ activities.	1		2				3	3	To read required literature, to prepare for the presentations.
6. The development of medicine in Western Europe and Lithuania during the Renaissance. The development of anatomy and surgery. The development of pharmacology and pharmacy.	1		2				3	3	To read required literature, to prepare for the presentations.
7. The development of Western medicine in 17-18 th centuries. The beginning of scientific methods’ application in science. Vaccination.	1		2				3	3	To read required literature, to prepare for the presentations.
8. The activities of the early surgeon-barbers’ guilds in Lithuania. Early pharmacy and hospices in Lithuania.	1		2				3	3	To read required literature, to prepare for the presentations.
9. Medical science and practice in Western Europe in 19- th century. Bacteriology era.	1		2				4	4	To read required literature, to prepare for the presentations.
10. Medical science and practice in Lithuania in 19-th century.	1		2				3	3	To read required literature, to prepare for the presentations.
11. Medical science and practice in the twentieth century. Clinical and preventive medical progress.	2		2				4	4	To read required literature, to prepare for the presentations.

12. Development of medicine in Vilnius Stephen Bathory University and Kaunas Vytautas Magnus University. The theoretical, clinical and preventive medicine.	2		2				4	4	To read required literature, to prepare for the presentations.
13. Basic life support	2		2	2			6	6	To read the literature about the BLS, and prepare for practicals and work with the simulation mannequins
14. First aid in case of bleeding, stroke, myocardial infarction, allergy, choking, hyperthermia, hypothermia	4		4	4			12	12	To read the literature about the first aid in different critical situations and prepare for practicals
15. First aid for poisoning	2		2	2			6	6	To read the literature about first aid in case of poisoning and prepare for practicals.
Total	24	1	34	8			66	67	

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Presentation	20 %	During the semester	Assessment: 1-10 points out of 10 Assessment criteria of the presentation: 1. All structural parts (introduction, results, conclusions, questions, references) are obligatory. 2. The content of the presentation corresponds to the subject. 3. The duration of the report corresponds to the 4 scheduled time. 4. The presentation is delivered fluently.
Colloquium	20%	October	The colloquium- 20 closed questions. Every question is evaluated 0,5 points.
Basic Life Support and First Aid Test at the end of the course	20 %	October	The test is composed of 34 questions (of different complexity, from understanding to assessment). The assessment is as follows: 10 (Excellent): Excellent performance, outstanding knowledge and skills. 95-100 % correct answers. 9 (Very good): Strong performance, good knowledge and skills 85-94 % correct answers. 8 (Good): Above the average performance, knowledge and skills 75-84 % correct answers. 7 (Highly satisfactory): Average performance, knowledge and skills with unessential shortcomings 65-74 % correct answers. 6 (Satisfactory): Below average performance, knowledge and skills with substantial shortcomings. 55-64 % correct answers. 5 (Sufficient): Knowledge and skills meet minimum criteria. 45-54 % correct answers. 4, 3, 2, 1 (Insufficient): Knowledge and skills do not meet minimum criteria/below minimum criteria. 0-44 % correct answers. Failed.
Exam	40%	January	Exam test includes 20 closed type questions. Every question is evaluated 0,5 points.

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and publisher or Internet link
Required reading				
R. Porter	1998	The Greatest Benefit to Mankind. A Medical History of Humanity From Antiquity to the Present. Chapters: III,IV,V,VII,VIII,IX,X,		London
L. Magner	2011	A History of Medicine. Chapters: 9, 11,13,14		New York, London
A. Žalnora	2021	Stepono Batoro universiteto veikla sprendžiant Vilniaus krašto visuomenės problemas		Vilnius, Vilniaus universiteto leidykla
Duffin J.	2001	History of Medicine: A Scandalously Short Introduction	-	Toronto
<i>European Resuscitation Council</i>	2021	Gaivinimo gairės		https://cprguidelines.eu/
Recommended reading				
Chauhan P.	2000	Eternal Health: The Essence of Ayurveda.	-	Haryana
Jakulis M.	2019	Špitolės Vilniuje : labdara, gydymas ir skurdas XVI-XVIII a		VU leidykla
Žalnora A.	2018	The role of the Hygiene Department of Stephen Bathory University in the development and promotion of public health in Vilnius in the years 1922-1939/ Studia Historiae Scientiarum https://ojs.ejournals.eu/SHS/article/view/SHS.18.004.9324	Nr. 17	Crakow
McGrew R. E.	1985	Encyclopedia of medical history	-	Montreal
Kenneth F. Kiple,	2003	The Cambridge Historical Dictionary of Disease		Bowling Green State University, Ohio