

Faculty of Medicine of the University of Rijeka

Course: Introduction to Medicine and History of Medicine

Course coordinator: Amir Muzur MD, MA, PhD, Full Professor

Department: Department of Social Sciences and Medical Humanities

Study program: Integrated Undergraduate and Graduate University Study of Medicine in English

Year: 1st

Academic year: 2021/2022

SYLLABUS

Course information (brief course description, general guidelines, location and organisation of instruction, required equipment, instructions regarding class attendance and preparation, students' obligations, etc.):

The course "Introduction to Medicine and History of Medicine" is a first-year compulsory course of the Integrated Undergraduate and Graduate University Study of Medicine in English encompassing 24 hours of lectures and awarding 2 ECTS credits.

The course helps students gain insight into the laws of the gradual development of medicine as a science and acquire basic professional terminology. The lectures cover:

- an introduction to medicine (medical terminology, the structure of the healthcare system and formal medical higher education in the Republic of Croatia, the characteristics of a good physician and medical student, etc.);
- an overview of the history of medicine from prehistoric times to the present;
- the most important chapters of the history of medicine and the Faculty of Medicine in Rijeka.

Assigned reading:

1. Presentations (PPT);
2. Lois N. Magner, *A History of Medicine*, 2nd ed., New York/London: Informa Healthcare, 2011.

Optional / additional reading:

Course teaching plan:

List of lectures (with titles and description)

1. Introduction to Medicine 1

Outcomes:

To explain the etymology of basic medical notions.

To discern essential components of various definitions of medicine.

- To determine the branching of medicine and name its components.
To define medicine contextually and methodologically.
- 2. Introduction to Medicine 2**
Outcomes:
To compare the practices of official and folk medicine.
To discern medicine from quackery.
- 3. Introduction to Medicine 3**
Outcomes:
To recognise the characteristics of a good physician and a good medical student.
To evaluate the motives for choosing medicine as a profession.
To discern the types of physicians and name stereotypical understandings of physicians.
- 4. Introduction to Medicine 4**
Outcomes:
To discern the kinds of medical schools.
To compare the curricula of medical schools in Croatia and the USA.
To describe the ways of evaluating and ranking universities.
To relate the ambitions and practical achievements of the Bologna Declaration.
- 5. Introduction to Medicine 5**
Outcomes:
To notice essential components of various definitions of health and illness.
To recognise the importance of the „ten points“ of Andrija Štampar.
To discern the levels of healthcare.
- 6. Introduction to Medicine 6**
Outcomes:
To name and describe the characteristics, symbols and some of the tendencies of medicine as a profession.
- 7. History of Medicine 1**
Outcomes:
To explain why it is worthy to approach the history of medicine.
To relate the development of medicine in Rijeka to the achievements of medicine in the region.
To define the subject matter of the history of medicine.
- 8. History of Medicine 2**
Outcomes:
To provide examples of ancient magic medicine in present-day practices.
To name essential characteristics of Mesopotamian medicine.
To compare the reputation of a physician in history and today.
- 9. History of Medicine 3**
Outcomes:
To analyse essential contributions of Egyptian medicine
- 10. History of Medicine 4**
Outcomes:
To name some of the oldest presentations of medical topics (poliomyelitis, incubation, onanism, circumcision) as sources for the history of medicine.
- 11. History of Medicine 5**
Outcomes:
To discern and explain the differences in nutrition habits in Jewish and Muslim traditions.
To explain some traditional Indian medical doctrines.
- 12. History of Medicine 6**
Outcomes:
To explain some traditional Chinese medical doctrines.
- 13. History of Medicine 7**

Outcomes:

To describe the main achievements of Hippocratic medicine.

14. History of Medicine 8

Outcomes:

To name the essential characteristics of ancient Roman medicine, particularly the legacy of Galen.
To describe the characteristics of the medicine of the medieval world of Islam.

15. History of Medicine 9

Outcomes:

To describe the characteristics of medieval medicine in the West.

16. History of Medicine 10

Outcomes:

To describe the beginnings of medicine on Croatian soil.
To recognise the nature and range of major medieval epidemics.
To describe and name a few examples of the phenomenon of saints as protectors from diseases.

17. History of Medicine 11

Outcomes:

To explain the beginnings and historical importance of blood transfusion.
To determine the characteristics of Renaissance medicine.
To recognise and explain the revolutionary work of Andreas Vesalius.
To define alchemy.

18. History of Medicine 12

Outcomes:

To recognise the historical importance of the "import" of some diseases from the New World.
To relate the development of natural sciences to the development of medicine.
To name and briefly describe the main occurrences in the development of medicine in the 18th century.

19. History of Medicine 13

Outcomes:

To recognise the importance and revolutionary ideas of the most distinguished physicians of the 19th century (L. Pasteur, R. Koch, I. P. Semmelweiss, J. Lister, A. Grossich).

20. History of Medicine 14

Outcomes:

To explain the development of pain treatment and anaesthesia.
To describe the abuse of medicine at the time of Nazism.
To recognise the major points of the emergence and development of transplantation medicine.

21. History of Medicine in Rijeka 1

Outcomes:

To name some of the first physicians in the Rijeka region.
To recognise the role of G. B. Cambieri.

22. History of Medicine in Rijeka 2

Outcomes:

To name some of the first pharmacists and dentists in the Rijeka region.
To evaluate the role of A. F. Giacichin for the development of maritime medicine.
To name the most important contributions of P. Salcher and G. Catti.

23. History of Medicine in Rijeka 3

Outcomes:

To evaluate the role and importance of A. Grossich, L. Lenaz, and V. Finderle.

24. History of Medicine in Rijeka 4

Outcomes:

To briefly describe the foundation and development of the Faculty of Medicine in Rijeka.
To explain the importance of the most distinguished persons in the history of the Faculty of

Medicine in Rijeka (V. Rukavina, V. Francišković, S. Novak).

List of seminars with descriptions:

The course does not include seminars.

List of practicals with descriptions:

The course does not include practicals.

Students' obligations:

Regular class attendance (max 10 % of points), seminar paper (the topic is chosen from the offered list; max 30 %), a midterm exam related to the „Introduction to Medicine“ (max 30 %) and the final written exam (max 30 %).

Exam (exam taking, description of written/oral/practical part, point distribution, grading criteria)

- the final exam is of written form; the exam lasts for 45 minutes and entails a multiple-choice test;
- in accordance with the general rules of the Faculty of Medicine, a minimum of 50 % of correct answers is required to pass the exam;
- in order to be admitted to the final exam, the student has to gather at least 35 (50 %) of the total of 70 points before the final exam.

Possibility of teaching in another language:

The course is offered in Croatian and English.

Other important information regarding the course:

Missing up to 30 % of the classes (with a presumed justified reason), does not require justification and cannot be made up for (the exception being provided by a hospital discharge letter). Missing more than 30 % of classes, no matter the reason, will prevent the student from taking the final exam and result in a repeated enrolment in the course the following academic year.

The components taken into consideration in scoring the **seminar paper**: the quality of the paper (structure, interestingness, style, correctness, etc.: max. 20/30 credits), the form (max. 5/30 credits) and literature used (max. 5/30 credits). Each discovered attempt of an illegitimate appropriation of the work of others (**plagiarism**; *copy-paste* with no appropriate citations) will be treated as a severe violation and will be adequately sanctioned.

It is not possible to “**decline**” a positive mark, but students can appeal to the Dean in written form within 24 hours.

Collaborators: Assist. Prof. Igor Eterović, PhD, Robert Doričić, PhD, Toni Buterin, Research Assistant, as well as, occasionally, external visiting lecturers..

COURSE SCHEDULE (for academic year 2021/2022)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
6/10/2021	8:15-10:00 (8)			Amir Muzur, MD, MA, PhD, Full Professor
13/10/2021	08:15-10:00 (8)			Amir Muzur, MD, MA, PhD, Full Professor
20/10/2021	08:15-10:00 (15 - Vijećnica)			Amir Muzur, MD, MA, PhD, Full Professor
27/10/2021	08:15-10:00 (8)			Amir Muzur, MD, MA, PhD, Full Professor
3/11/2021	8:15-10:00 (8)			Amir Muzur, MD, MA, PhD, Full Professor
10/11/2021	08:15-10:00 (1)			Amir Muzur, MD, MA, PhD, Full Professor
17/11/2021	08:15-10:00 (1)			Amir Muzur, MD, MA, PhD, Full Professor
24/11/2021	08:15-10:00 (15 - Vijećnica)			Amir Muzur, MD, MA, PhD, Full Professor
1/12/2021	08:15-10:00 (8)			Amir Muzur, MD, MA, PhD, Full Professor
8/12/2021	08:15-10:00 (15 - Vijećnica)			Amir Muzur, MD, MA, PhD, Full Professor
15/12/2021	08:15-10:00 (8)			Amir Muzur, MD, MA, PhD, Full Professor
22/12/2021	08:15-10:00 (1)			Amir Muzur, MD, MA, PhD, Full Professor

List of lectures, seminars and practicals:

	LECTURES (topic of lecture)	Teaching hours	Place
P1	Introduction to medicine 1 (linguistic roots, definitions, division, components, tasks, professions, clinical specialties, medicine vs. surgery, orientation, methods)	1	(15 - Vijećnica)
P2	Introduction to medicine 2 (folk medicine, unofficial medical systems in the West, quackery)	1	(15 - Vijećnica)
P3	Introduction to medicine 3 (preconditions and characteristics of a good physician and medical student, motives of choice, medicine as a profession, types of physicians, stereotypical understandings of physicians, entrance selections)	1	(15 - Vijećnica)

P4	Introduction to medicine 4 (kinds of medical schools, schools in Croatia, Harvard Medical School, the Leiden university ranking, the Shanghai university ranking, the Edinburgh Declaration, the problem-based approach, the Bologna Declaration, typical phases of studying medicine, studying strategy, etc.)	1	(15 - Vijećnica)
P5	Introduction to medicine 5 (illness – linguistic roots, terminology, clinical medicine, diagnostics, therapy; health – definitions, components, public health problems, demographic trends, the Rijeka Appeal for a Rational and Ethical Healthcare, healthcare institutions, Andrija Štampar, the levels of healthcare, hospitals, etc.)	1	(8)
P6	Introduction to medicine 6 (characteristics of the professions, symbols of medical professions, professional associations, tendencies of Western medicine, “feminisation” of medicine)	1	(8)
P7	History of medicine 1 (why history of medicine, sensitive topics, the Action plan of a systematic building, preserving, and promoting tradition and reputation of the Faculty of Medicine in Rijeka: aims and concrete ideas, etc.)	1	(15 - Vijećnica)
P8	History of medicine 2 (living traces of magic medicine – tattooing, piercing, jewellery, dance, horoscope; Mesopotamian medicine, reputation of physicians in history and today)	1	(15 - Vijećnica)
P9	History of medicine 3 (prognosis; Egyptian medicine – mummification, the “curse” of the mummy, embalming (the importance of autopsy)	1	(8)
P10	History of medicine 4 (poliomyelitis, incubation, onanism, circumcision)	1	(8)
P11	History of medicine 5 (consummation of food by Jews and Muslims; ritual washing, ancient Indian medicine – doshas, Sushuta, Characa, variolisation, pranayama)	1	(8)
P12	History of medicine 6 (ancient Chinese medicine – acupuncture, Sheng and Co cycles, pulse diagnostics, sources of potency, mutilation)	1	(8)
P13	History of medicine 7 (ancient Greek medicine – dynasties of physicians, The Royal Touch, Hippocrates)	1	(8)
P14	History of medicine 8 (ancient Roman medicine – first physicians, public baths, Asclepiades, Galen, Caesarean section; medicine of the medieval world of Islam – Avicenna, Averroes)	1	(8)
P15	History of medicine 9 (medieval medicine in the West – universities, brain chambers, medieval pharmacy)	1	(8)
P16	History of medicine 10 (first physicians on Croatian soil, medieval epidemics of plague, leprosy, etc., hospitals, saints as protectors from diseases)	1	(8)
P17	History of medicine 11 (blood transfusion, the Renaissance, Leonardo da Vinci, A. Veza, alchemy, and Paracelsus)	1	(15 - Vijećnica)
P18	History of medicine 12 (syphilis, import from the New World, witches, vampires, development of natural sciences)	1	(15 - Vijećnica)

	and medicine, “discovery” of the heart, 18 th century – phrenology, mesmerism, homeopathy; Lalangue and <i>Medicina ruralis</i>)		
P19	History of medicine 13 (19 th century: demystification of etiology – Pasteur, Koch; antisepsis and asepsis – Semmelweiss, Lister, Grossich)	1	(8)
P20	History of medicine 14 (pain and anaesthesia, 20 th century – abuse of medicine at the time of Nazism; transplantation medicine)	1	(8)
P21	History of medicine in Rijeka 1 (the first physicians and hospitals; Cambieri and the “Škrljevo disease”)	1	(8)
P22	History of medicine in Rijeka 2 (the first pharmacists and dentists; Giacich and maritime medicine, Salcher, Catti)	1	(8)
P23	History of medicine in Rijeka 3 (Grossich and iodine tincture, Lenaz and statotonus, Finderle and vacuum-extractor)	1	(8)
P24	History of medicine in Rijeka 4 (history of the Faculty of Medicine; the Branchettas, Walter Rukavina, Vinko Frančišković, Silvije Novak).	1	(8)
	Total number of lecture hours	24	

	SEMINARS (topic of seminar)	Teaching hours	Place
S1	/	/	
	Total number of seminar hours		

	PRACTICALS (topic of practical)	Teaching hours	Place
V1	/	/	
	Total number of practicals hours		

	EXAM DATES (final exam)
1.	11/01/2022
2.	11/02/2022
3.	16/09/2022