



Course: History of dental medicine

Course Coordinator: Full Professor Marko Medved, PhD

Course Collaborators: Toni Buterin, PhD

Department: Department of Social Sciences and Medical Humanities MEDRI

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

Study year: 4th

Academic year: 2024/25

SYLLABUS

Course description (a brief description of the course, general instructions, where and in what form the lessons are organized, necessary equipment, instructions for attendance and preparation for classes, student obligations, etc.):

The course "History of Dental Medicine" is an obligatory course at 4th year of the Integrated undergraduate and graduate university study of dental medicine, which includes 10 hours of lectures and 5 hours of seminars and enables the acquisition of 0.5 ECTS points.

The course helps students to gain insight into the laws of the gradual development of medicine and dental medicine as a science and practice. The basic units covered by the lectures are:

- an overview of the history of medicine from prehistory to the present day
- an overview of the history of dental medicine from ancient times to the present day
- the most significant chapters in 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:

1. Hraste J, Gržić R. Uvod u stomatologiju; Medicinski fakultet, Rijeka, 2008.
2. Škrobonja A, Muzur A, Rotschild V. Povijest medicine za praktičare; Adamić, Rijeka, 2003.
3. Muzur A. Nezavršena povijest medicine u Rijeci; MEDRI/HZDPZK/Kvarner, Rijeka, 2013.
4. Gavrilović V. Istorija stomatologije. Medicinska knjiga, Beograd/Zagreb, 1969.

COURSE TEACHING PLAN:

The list of lectures (with topics and descriptions):

1. 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.

To provide examples of ancient magic medicine in present-day practices.

To name essential characteristics of Mesopotamian medicine.

2. History of Medicine 2

Outcomes:

To analyse essential contributions of Egyptian medicine.

To discern and explain the differences in nutrition habits in Jewish and Muslim traditions.

To explain some traditional Indian medical doctrines .

3. History of Medicine 3

Outcomes:

To explain some traditional Chinese medical doctrines.

To describe the main achievements of Hippocratic medicine.

4. History of Medicine 4

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.

5. History of Medicine 5

Outcomes:

Recognize the iconographic elements of Saint Apollonia, the patroness of teeth and dentistry.

List and briefly describe the main events in the development of medicine in the 18th, 19th and the 20th century.

Compare the speculative doctrines of the 18th century with today's attitudes about them.

6. History of Dental Medicine 1

Outcomes:

Describe the development of pain treatment and the historical development of anesthesia.

Explain the importance and place of H. Wells and W. T. G. Morton in the history of medicine.

7. History of Dental Medicine 2

Outcomes:

To notice the essential elements of paleodontology.

To analyse the essential contributions of dental medicine of Ancient Egypt.

Describe the history of the toothbrush and toothpaste and the development of prostheses.

8. History of Dental Medicine 3

Outcomes:

List and describe the basic features of dentistry in the Middle Ages and the Renaissance.

Explain the place and role of P. Fauchard in the history of dental medicine.

9. History of Dental Medicine 4

Outcomes:

Compare the basic characteristics of 19th and the 20th century dental medicine in the world and in Croatia.

10. History of Medicine and Dental Medicine in Rijeka

Outcomes:

Describe and evaluate the contributions of G. B. Cambieri and A. Grossich.

Briefly describe the origin and historical development of the Faculty of Medicine.

The list of seminars with descriptions:

Seminars (1-5) consist of student presentations of the seminar paper chosen by the students (from the list available on the Merlin system), lasting 7 minutes and following predetermined instructions.



The list of practicals with descriptions:

Course is conducted without practicals.

Students' obligations:

Regular attendance at classes, oral presentation of a seminar paper on a topic chosen from the list of topics available on the Merlin system (max. 20%), written form of the same seminar paper (max. 30%), final exam (max. 50%).

Assessment (exams, description of written / oral / practical exam, the scoring criteria):

ECTS credit rating system:

Attending classes	0,10
Written (final) exam	0,10
Seminar paper	0,30

- the exam is exclusively written, lasts 15 minutes and requires choosing the correct answers to the questions, from several offered
- in accordance with valid regulations, passing the exam is ensured by at least 25 points achieved (each point is weighted by 2, which is 50% of the total grade)
- during class, the student can collect a total of 50 points (50% of the total grade)
- the student must collect at least half (50%) of the total 50 points that can be obtained during classes in order to take the final exam.

Student evaluation is carried out according to the valid Rulebook of studies of the University of Rijeka.

Other important information regarding to the course:

Absence from classes up to 30% presupposes a justified reason, does not require additional justification and cannot be compensated (the exception is a discharge letter from hospital treatment). An absence of more than 30%, regardless of the reasons, prevents the student from taking the exam and implies re-enrollment in the course of the following academic year.

Elements that are taken into account when **evaluating the oral presentation of the seminar paper**: adherence to the set time (7 minutes; max. 5/20 points), clarity of presentation (max. 5/20 points), wit and originality of the presentation (max. 5/20 points) and presentation form (max. 5/20 points).

Elements that are taken into account when **evaluating the written seminar paper**: quality of the research (structure, style, accuracy, etc.: max. 15/30 points), comprehensiveness (max. 5/30 points), form of submitted material (max. 5/30 points) and used literature (max. 5/30 points). Any detected attempt to illegitimately appropriate someone else's work (**plagiarism**; copy-paste without adequate citation) will be treated as a serious breach of obligations in accordance with positive regulations: any use of someone else's text or other form of author's work, as well as the use of ChatGPT or any other tool whose functionality is based on artificial intelligence technology, without clear and unambiguous indication of the source, is considered a violation of someone else's copyright and the principle of academic integrity, and represents a serious violation of student obligation that entails disciplinary responsibility and disciplinary measures in accordance with the Rulebook on Student Disciplinary Responsibility.

It is not possible to "**reject**" a positive grade obtained on the final exam, but only act in accordance with Article 46 of the Regulations on Studies of the University of Rijeka (a student dissatisfied with the grade submits a written appeal to the dean within 24 hours).



COURSE SCHEDULE (for the academic year 2023/2024)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
6/11/2024	8.00-8.45, P1 8.45-9.30, P2 9.30-10.15, P3 (on line recorded lesson Bernarda Mrak)			
13/11/2024	8.00-8.45, P4 8.45-9.30, P5 9.30-10.15, P6 (Krešimirova 42, Third floor)			Marko Medved, PhD, Full Professor
20/11/2024	8.00-8.45, P7 8.45-9.30, P8 9.30-10.15, P9 (Krešimirova 42, Third floor)			Marko Medved, PhD, Full Professor
27/11/2024		8.00-8.45, P10 8.45-9.30, P11 9.30-10.15, P12 (Krešimirova 42, Third floor)		Toni Buterin, PhD
4/12/2024		8.00-8.45, P13 8.45-9.30, P14 9.30-10.15, P15 (Krešimirova 42, Third floor)		Toni Buterin, PhD

List of lectures, seminars and practicals:

	LECTURES (Topics)	Teaching hours	Location/Lecture room
P1	History of medicine 1 (why history of medicine, sensitive topics, living traces of magic medicine – tattooing, piercing, jewellery, dance, horoscope; Mesopotamian medicine, reputation of physicians in history and today)	1	
P2	History of medicine 2 (Egyptian medicine – mummification, embalming (the importance of autopsy), consumption of food by Jews and Muslims; ritual washing, ancient Indian medicine – doshas, Sushuta,	1	



	Characa, variolisation, pranayama)		
P3	History of medicine 3 (ancient Chinese medicine – acupuncture, ancient Greek medicine ancient Greek medicine, Hippocrates)	1	
P4	History of medicine 4 (ancient Roman medicine, Galen; medicine of the medieval world of Islam – Avicenna, Averroes, medieval medicine in the West – universities, brain chambers, medieval pharmacy)	1	
P5	History of medicine 5 (saints-protectors from diseases, Renaissance; Milestones of the development of medicine in the 18 th , 19 th , and 20 th century)	1	
P6	History of dental medicine 1 (pain and anesthesia; H. Wells, W. T. G. Morton)	1	
P7	History of dental medicine 2 (paleodontology; dental medicine in ancient Egypt; the history of the toothbrush, toothpaste and dentures)	1	
P8	History of dental medicine 3 (dental medicine in the Middle Ages and the Renaissance; P. Fauchard)	1	
P9	History of dental medicine 4 (dental medicine in the 19 th and 20 th century: standards and schools; dental medicine in the 20 th century in Croatia)	1	
P10	History of medicine and dental medicine in Rijeka (G. B. Cambieri, A. Grossich; history of Rijeka Faculty of Medicine)	1	
	TOTAL TEACHING HOURS	10	

	SEMINARS (Topics)	Teaching hours	Location/Lecture room
S1-S5	Student presentations of a seminar paper	5	
	TOTAL TEACHING HOURS	5	

	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
	/	/	/
	TOTAL TEACHING HOURS	0	

	FINAL EXAM DATES
1.	11/12/2024
2.	18/12/2024
3.	15/1/2025

	Lectures	Seminars	Practicals	Total
Total number	10	5	0	15
On-line	0	0	0	0



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Percentage	0	0	0	0
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