

2011 / 2012

ZAKŁAD HISTORII MEDYCYNY I ETYKI LEKARSKIEJ

ul. Rybacka 1, 70-204 Szczecin

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HISTORY OF MEDICINE

for the 2nd Year students, Medicine, English Program

NUMBER OF HOURS: seminars – 30 hrs.

ECTS: 3

SEMINAR TOPICS:

1. Introduction to History of Medicine. History of medicine as a science; its concerns, methods of investigation and sources of study. Doctors, their education and social position since antiquity till the 20th century.

2. The early history of surgery.

Pre-historical roots of surgery. Surgery in ancient civilizations. The impact of the increasing knowledge in anatomy and general medicine on the development of surgery through centuries. Unsolved problems, which stood in the way of surgery until the half of 19th century.

3. Medicine in Ancient Times and the Middle Ages

Medicine in ancient civilisations of Mediterranean region. Arabic medicine. Medicine of the early Medium Ages: secular medical schools of Salerno and Montpellier. The first universities. Views on health and illness from the ancient times to 15th century.

Students presentations on the following topics:

- Humoral theory. Hippocrates and his vision of medicine.
- Medicine in ancient Rome. Contribution of Galen and bases of the eclectic system.
- Medicine in Arab Empire. Contribution of Arabic medicine and famous Arabic doctors.

4. Medicine since Renaissance until the 20th century. Clinical medicine.

Influence of the Renaissance philosophy on medicine. Scientific revolution of 17th century. Changes in the views on health and illness in 18th and 19th centuries. Hermann Boerhaave and the school of Leiden. Clinical schools in 18th and 19th century. Development of medical specialties. **Students presentations on the following topics:**

- Scientific revolution of 17th century: contribution of iatrochemistry, iatrophysics and iatromathematics to the development of medicine.
- H. Boerhaave and beginnings of clinical medicine. Further development of clinical medicine in Vienna and Paris.
- Development of clinical specialties in XIX c. (Dermatology, Neurology, Psychiatrics, Pediatrics, Radiology).

5. History of pharmacy – chosen aspects.

First drugs of plantar, animal and mineral origin in prehistoric times and ancient civilizations. The contribution of Hippocrates and Galen to the ancient and medieval pharmacy. The influence and contribution of the Arabic medicine to the European pharmacy. Alchemy. Development of medical chemistry. Achievements of Ehrlich, Domagk and Fleming. Pharmacological industry. **Students presentations on the following topics:**

- Plantar, animal and mineral drugs used in ancient civilizations. Coprotherapy.
- Development of drug-stores and role of druggists in Europe until the mid of 19th c.
- Synthetic drugs and beginnings of antimicrobial therapy – contribution of Wöhler, Kolbe, Ehrlich, Domagk and Fleming.

6. The golden age of surgery.

Struggling with pain and infection – the beginnings of anaesthesia, asepsis and antisepsis. First anaesthetics: nitrous monoxide, ether, chloroform. Local anaesthesia. Semmelweiss, Lister and their achievements. Solution of the problem of haemorrhagic shock in surgery. Development of surgical specialties.

Students presentations on the following topics:

- A breakthrough in the struggle with pain in surgery in 19th c. (beginnings of anaesthesia)
- Overcoming postoperative infections: beginnings of asepsis and antisepsis in 19th .
- Solution of the problem of haemorrhagic shock in surgery in 19/20th c.

7. History of Polish Medicine. History of Scandinavian Medicine.

Students presentations on the following topics:

- History of medicine and medical education in Scandinavia (till the end of 19th c.)
- Outstanding Scandinavian doctors in 19-20th c. and their contribution to medicine.

8. Public Health. Contribution of women to medicine. Students presentations on the following topics:

- Chosen aspects of history of Public Health (two students should collaborate in the project).
- Women in medicine – history of nursing and first women as doctors.

9. Chosen subject I. Students presentations on the following topic:

- Views on disease transmission. The beginnings of microbiology: contribution of Pasteur and Koch.
- Discovery of enzymes, hormones and vitamins.

10. Chosen subject II:

- Foxgloves in medicine (film and discussion).
- Presentation on a different topic is possible after agreeing on it with the lecturer .

11. Holistic medicine part I: Introductory exercise based on the concept of Johari Window.

12. Holistic medicine part II: Major tenets of holistic approach. Definition of health by WHO.

Development of Holistic Approach to health throughout the ages. Shortcomings of biomedical model of Western medicine. Holistic approach in the 21st century. Key factors influencing health of individual.

13. Holistic medicine part III: Major concepts of human perception. Impact of individual's perception on doctor-patient relations in medical setting.

14. Holistic medicine part IV: Students' presentations on the following topics:

- Perception of normal and abnormal behavior
- Perception of trust and its role in medical setting

15. Holistic medicine: Students' presentations on the following topics:

- Approaches to pain control
- Perception of control: Impact on health and quality of life.

REGULATIONS:

1. **History of Medicine** is an **obligatory** course for students in the 2nd Year at the Medical Faculty. The teacher responsible for the course is dr nauk hum. Elżbieta Rudowicz. The course ends with an open book written examination (see examination regulations below).
2. The course consists of 15 seminars (2 hours each), which take place at the Department of History of Medicine and Medical Ethics, Rybacka 1, in room 304. The detailed schedule and the topics of seminars are presented on the Department's board.
3. All seminars start exactly on time. Students who are late or bring their outer clothes into the room , will not be allowed to take part in the seminar.
4. Students should attend the seminar with the group they have been assigned to. Swapping the seminar groups is normally not allowed.
5. **Participation in all seminars is obligatory.** All absences should be made up within two weeks from the date of the seminar missed. Please note that, it is the student's responsibility to approach the lecturer and discuss how to make up for the absence.
6. Students are obliged to prepare for the seminars

7. **Each student is obliged to prepare and give an individual presentation** for agreed seminar on a subject selected from a list during the first week of the semester.
8. After the last seminar, students that have met the above conditions are granted a credit. The entry in the credit book (indeks) should be as follows:

Subject	Head	Laboratory	Hours
History of Medicine	Dr n.hum. E. Rudowicz	2	40

9. **The course ends with a written open book examination.** The exam will last for two hours and students will be required to write one longer and one shorter essay on the topics discussed in the seminars. Detailed information concerning the examination requirements is presented in the separate document.
10. The course is assessed through **coursework** and **examination**. The coursework involves attendance, active participation, and individual presentation. An absence not made up within two weeks will result in 10% reduction in points during examination, whereas each late-coming will cause 5% reduction in points during examination. Well prepared individual presentations will increase the final examination score in the following way:
 - o a very good (5) presentation - 10% of extra points,
 - o an above average (4,5) presentation – 5% of extra points,

A student who failed to give a presentation for agreed seminar will get 20% reduction in examination points. A student who proved to be well prepared and very active in the seminars will be granted five extra points to the final examination score.

Exemptions: Applications for exemptions should be submitted within the first month of the semester to Dr E. Rudowicz. Late applications will not be considered.

OPEN BOOK EXAMINATION: REGULATIONS

1. HISTORY OF MEDICINE ends with an open book examination. So you will be allowed to take textbooks, notes, and other resource materials into an examination room.
2. The exam consists of three open ended essay-style discussion questions concerning **History of Medicine** and **Holistic Medicine**. You will be required to write a separate essay dealing with each of the exam questions.
3. Each question will carry the same maximum amount of marks.
4. The exam will be a sit-down/ limited time exam. It will last for two hours. So you should study for this open book exam just as you would for any other exam. You do not have to memorize as much information but you have to be able to locate, apply and use the information that is important.
5. The exam will test your ability to select and critically analyze and interpret information for problem solving. It will also assess your ability to deliver well-structured and well-presented arguments.
6. You cannot copy text directly from textbooks or other reference materials. This counts as plagiarism! You need to reference as well, just as for any other assignment.
7. You can obtain more information on how to prepare for an open-book exam at: www.studygs.net/tsstak7.htm
8. Before a student is given an exam grade, he/she has to make up for all the absences!
9. Student who failed in the exam can re-take the exam in the re-sit examination session.
10. For the 2nd re-sit exam the highest grade will be pass.