

## COURSE REQUIREMENTS

<b>Semmelweis University, Faculty of Medicine</b> <b>1st. Department of Medicine (Sándor Korányi Department of Medicine)</b>
<b>Course name: Internal Medicine - Propedeutics</b> <b>Credit: 4</b> <b>Contact hours: 56</b> Lecture: 14 hours practice: 42 hours <b>Type: <u>obligatory</u> / elective</b>
<b>Year: 2019-2020</b> lectures delivered only during the first semester to all students, practices according to group assignment either in the first or second semester with exams at the corresponding examination periods
<b>Subject code: AOKBL1467_1A</b>
<b>Course director: Dr. István Takács</b> <b>Title:</b> professor, department head <b>Date and number of habilitation:</b> 2011, 328 (Semmelweis University)
<b>Objective of the course and how it fits in the educational curriculum:</b>  Primary objective of the course is to have the student to acquire the basic skills of examination of a medical patient. Lectures will present the fundamental components of a complete medical patient interview and methods of physical examination. Bedside practices will allow students to gain experience in using these methods. Special emphasis will be placed on the of proper physician behavior with patients.
<b>Location:</b> Lectures: 1st. Department of Medicine (Sándor Korányi Department of Medicine) Practices: All departments of medicine of the university according to group assignment
<b>Skills obtained by successful completion of the course:</b> Completion of the course will enable the student to develop a professional physician-patient relationship, learn the elements of medical interview and types of medical documentation. Students will also obtain knowledge and practice in basic physical examination. After completion of the course, students will have the opportunity to improve their knowledge during the obligatory summer practice.
<b>Prerequisites of the course:</b> Completion of Hungarian medical terminology, Medical Biochemistry, Medical Physiology, Medical Biochemistry, Medical Communication
<b>Number of students (minimum, maximum) required to initiate the course</b> One sixth of the students registered at the Neptun system for the third year
<b>Registration to the course:</b> Through the Neptun system

**Detailed syllabus:**

Lectures will be delivered only during the fall semester to all students.

Practices will be held for students in the first 8 groups during the fall semester and for the second eight groups in the spring semester, evenly distributed between the Medical Departments.

Students will have their exams in the corresponding examination periods

**Lectures:**

duration: 1 contact hour = 1x45 minutes

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| 1. week  | Patient interview, comprehensive health history.   |
| 2. week  | Techniques of physical examination: inspection, palpation, percussion, auscultation.   |
| 3. week  | Measurement and evaluation of body temperature. Evaluation of body weight, height, composition. Urinalysis, measurement of urine output. |
| 4. week  | Physical examination of the thorax and lung.   |
| 5. week  | Physical examination of the heart. Pathophysiology of heart murmurs.   |
| 6. week  | Heart sounds and murmurs, diagnosis of valvular diseases.  |
| 7. week  | Evaluation of blood pressure, pulse, and vascular system.  |
| 8. week  | Physical examination of the abdomen and hernias.   |
| 9. week  | Signs, symptoms and differential diagnosis of "acute abdomen".   |
| 10. week | Examination of the urogenital tract.   |
| 11. week | Evaluation of the musculoskeletal system.  |
| 12. week | Examination of the breasts. Patient with malignant neoplasm, ECOG classification.  |
| 13. week | Examination of the lymph nodes. Physical and laboratory evaluation of the hematologic diseases.  |
| 14. week | Signs and symptoms of diseases of the endocrine system.  |

**Practices:**

Duration: 3 contact hours = 3x45 minutes

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| 1. week  | Introduction to medicine, history of the Korányi Clinic. Patient interview and health history                                     |
| 2. week  | Approach to symptoms, patient documentation (patient chart, flowsheet, follow up)   |
| 3. week  | Methods of physical examination: inspection, palpation  |
| 4. week  | Methods of physical examination: percussion, auscultation   |
| 5. week  | Practicing physical examination of the thorax and lung I.   |
| 6. week  | Practicing physical examination of the thorax and lung II.  |
| 7. week  | Practicing physical examination of the heart I.   |
| 8. week  | Practicing physical examination of the heart, ECG evaluation.   |
| 9. week  | Practicing blood pressure and pulse measurement, evaluation of the vascular system  |
| 10. week | Practicing physical examination of the abdomen I.   |
| 11. week | Practicing physical examination of the abdomen II.  |
| 12. week | Practicing evaluation of changes in body temperature and examination of the urogenital system. Bedside blood glucose measurement. |
| 13. week | Practicing physical examination of the musculoskeletal system, breasts and lymph nodes.   |
| 14. week | Summary and review  |

**Subjects (either obligatory or elective) the content of whose may overlap with the current course:**

Patient-physician relationship – medical communication, medical psychology

Patient documentation – Hungarian medical terminology

Measurement of vital signs, and basic physical parameters – summer nurse practice ECG evaluation – ECG in clinical practice
<b>Additional assignments to be completed for the course:</b> None
<b>Required attendance:</b> According to the rules of the University, students are required to participate on at least 75% of all sessions. This is evaluated through attendance sheets signed by the tutor.
<b>Midterm evaluation:</b> There is no formal midterm evaluation. Students are individually followed for their progress by the tutor of the group during the patient oriented practices. The objective is to allow the teacher and students develop a personal relationship with regular feed backs on their advances and areas that need further improvement.
<b>Requirements for obtaining the signature for the course:</b> Participate on at least 75% of all sessions. At the end of the semester, once the tutor certified that the student met this requirement be evaluating the attendance sheets, the course director grants credits to students in the Neptun system.
<b>Exam type:</b> semi-final, oral and patient examination
<b>Method of the exam:</b> Required lexical knowledge comprise of the textbook and lecture material. The exam has two parts: bedside patient examination followed by answering two questions from the topic list. <ol style="list-style-type: none"> <li>1. During bedside patient examination the student is required to demonstrate the acquired skills in taking medical history and physical examination</li> <li>2. The oral question part allows the student to demonstrate lexical knowledge.</li> </ol> <p><u>Topic list for the oral questions</u></p> <ol style="list-style-type: none"> <li>1. Components of a comprehensive patient interview, medical history</li> <li>2. Significance of inspection in the physical examination</li> <li>3. Pulmonary findings during auscultation</li> <li>4. How to differentiate pneumonia, pleural effusion, bronchitis, asthma pneumothorax with physical examination</li> <li>5. Physical signs of dispone, their causes and differentiation</li> <li>6. Rules of auscultating the heart, heart sounds and murmurs</li> <li>7. Systolic murmurs</li> <li>8. Diastolic murmurs</li> <li>9. Diagnosing mitral stenosis with physical examination</li> <li>10. Diagnosing mitral insufficiency with physical examination</li> <li>11. Diagnosing aortic stenosis with physical examination</li> <li>12. Diagnosing aortic insufficiency with physical examination</li> <li>13. Physical signs and symptoms a circulatory failure</li> <li>14. Physical examination of the large vessels, arteries and veins</li> <li>15. Measuring body temperature, types of fever</li> <li>16. Significance of changes in complete blood count and differential count</li> <li>17. Signs of iron deficiency</li> <li>18. Palpation of the spleen, causes of splenomegaly</li> <li>19. Examination of the lymph nodes. Causes of lymphadenomegaly</li> <li>20. The significance of scoring performance status in oncological diseases</li> <li>21. Methods and significance of assessing bone mineral density</li> <li>22. Methods of examining the urogenital system. Signs of urinary tract infection</li> </ol>

23.	Palpation and auscultation of the abdomen. Abnormal findings
24.	Diagnosis of acute abdomen, list possible causes
25.	Physical findings in patient with ascites
26.	Physical examination of the liver
27.	Signs and symptoms of gall bladder stones, examination methods
28.	Signs and symptoms of acute and chronic cholecystitis, examination methods
29.	Signs and symptoms of acute and chronic pancreatitis, examination methods
30.	Signs and symptoms of diseases of the small and large intestine, examination methods
31.	Diagnosis of acute appendicitis
32.	Signs and types of ileus
33.	Physical signs and symptoms of endocrine diseases
<b>Scoring the exam results:</b> A score from 1 (fail) to 5 (excellent) is given, that is the mean of the scores obtained for the oral and bedside patient examination	
<b>Registration to the exam:</b> through the Neptun system	
<b>Repeat exams, failed exams:</b> According to the general rules of the University	
<b>Suggested print, electronic, online material</b> -lecture slides provided online after registration ( <a href="http://bel1.semmelweis.hu/">bel1.semmelweis.hu/</a> ) - Bates': Guide to Physical Examination and History Taking. Lippincott Williams and Wilkins, 11th edition	
<b>Signature of the course director:</b>	
<b>Signature of the host institution:</b>	
<b>Submission date:</b>	

<b>OKB decision:</b>
<b>Notes of the dean:</b>
<b>Deans' signature:</b>