

REQUIREMENTS

Semmelweis University, Faculty of General Medicine – single, long-cycle medical training programme Name of the host institution (and any contributing institutions): Department of Internal Medicine and Oncology			
Name of the subject: Belgyógyászati propedeutika in English: Internal Medicine Propedeutics in German: Innere Medizin Propädeutik Credit value: 4 Semester: Fall / Spring (as defined in the curriculum)			
Total number of classes per week:	4	lectures:	1
		practical lessons:	3
		seminars:	0
Type of subject: <u>compulsory</u> optional elective (PLEASE UNDERLINE AS APPLICABLE)			
Academic year: 2024/2025			
Language of instruction, for optional or elective subjects: N.A.			
Course code: AOKBOK782_1A (In the case of a new subject, this cell is filled in by the Dean's Office, following approval)			
Course coordinator: prof. Takács István Place of work, phone number: +3612100279 Position: professor, department head Date and number of habilitation: 2011, 328 (Semmelweis University)			
Objectives of the course and its place in the medical curriculum: 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 behaviour with patients.			
Place of instruction (address of lecture hall or seminar room etc.): Lectures: Department of Internal Medicine and Hematology Practices: Department of Internal Medicine and Oncology			
Competencies acquired through the completion of the course: 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.			
Prerequisites for course registration and completion: Hungarian Medical Terminology IV, Medical Biochemistry II, Medical Physiology II			
Conditions for concurrent course registration and permission thereof in the case of a multi-semester subject:			

N.A.

Student headcount conditions for starting the course (minimum, maximum) and method of student selection:

Students registered in the Neptun system. Students assigned to groups 10-18 complete the course in the 5th (fall) semester, whereas students assigned to groups 1-9 complete the course in the 6th (spring) semester. Approximately 80-90 students are expected to register in each semester.

Detailed course description:

Lectures:

duration: 1 contact hour = 1x45 minutes

1. Patient interview, comprehensive health history. (Takács I.)
2. Techniques of physical examination: inspection, palpation, percussion, auscultation. (Nébenführer Zs)
3. Measurement and evaluation of body temperature. Evaluation of body weight, height, composition. Urinalysis, measurement of urine output. (Szabó G)
4. Physical diagnosis of the common pleural and pulmonary syndromes. I. (Peskó G)
5. Physical diagnosis of the common pleural and pulmonary syndromes. II. (Peskó G)
6. Heart sounds and murmurs, diagnosis of valvular diseases. (Pozsonyi Z)
7. Evaluation of blood pressure, pulse, and vascular system. (Horváth V)
8. Physical examination of the abdomen and hernias. (Folhoffer A)
9. Signs, symptoms and differential diagnosis of "acute abdomen". (Mihály E)
10. General diagnostics of the kidney and the urinary tract. (Barna I)
11. Evaluation of the musculoskeletal system. (Szathmári M)
12. Examination of the breasts. Patient with malignant neoplasm, ECOG classification. (Bittner N)
13. Examination of the lymph nodes. Physical and laboratory evaluation of the hematologic diseases. (Farkas P)
14. Signs and symptoms of diseases of the endocrine system. (Lakatos PA)

Practices:

Duration: 3 contact hours = 3x45 minutes

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

Practice tutors:

1. dr. Ferencz V.
2. dr. Körei A.
3. dr. Folhoffer A.
4. dr. Bús M.
5. dr. Garam N.
6. dr. Gönczi L.
7. dr. Sumánszki Cs.

Related subjects due to interdisciplinary fields (both compulsory and elective) and potential

<p>overlaps between subjects: 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</p>
<p>Attendance requirements; conditions under which students can make up for absences and the method of absence justification: 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. In case of illness or unforeseen special circumstances of the student, retake is feasible based on an individual agreement with the course coordinator (studinger.peter@semmelweis.hu), with the permission of the course director.</p>
<p>Form of assessment in the study period: (including the number, topics and scheduling of oral and written tests, their share in the overall evaluation, make-up tests and improvement tests) 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 feedbacks on their advances and areas that need further improvement.</p>
<p>Number and type of assignments for individual work and the deadline for submission: N.A.</p>
<p>Requirements to obtain the teacher's signature: Participation on at least 75% of all sessions. At the end of the course, after the student has taken his/her attendance sheet to the secretariat, the Course Director grants credits to students in the Neptun system.</p>
<p>Type of assessment (<i>comprehensive examination, end-term examination, term-grade, term-grade on a three-grade rating scale, no examination</i>): end-term (semi-final) examination</p>
<p>Examination requirements: The exam has two parts: bedside patient examination followed by answering <u>two questions</u> from the topic list. During bedside patient examination the student is required to demonstrate the acquired skills in taking medical history and physical examination as well as interpret the findings. The oral question part allows the student to demonstrate lexical knowledge.</p> <p><u>Topic list for the oral questions</u></p> <ol style="list-style-type: none"> 1. Components of a comprehensive patient interview, medical history. 2. Significance of inspection in the physical examination. 3. Pulmonary findings during auscultation. 4. How to differentiate pneumonia, pleural effusion, bronchitis, asthma pneumothorax with physical examination. 5. Physical signs of dispone, their causes and differentiation. 6. Rules of auscultating the heart, heart sounds and murmurs. 7. Systolic murmurs. 8. Diastolic murmurs. 9. Diagnosing mitral stenosis with physical examination. 10. Diagnosing mitral insufficiency with physical examination. 11. Diagnosing aortic stenosis with physical examination. 12. Diagnosing aortic insufficiency with physical examination. 13. Physical signs and symptoms a circulatory failure.

14. Physical examination of the large vessels, arteries and veins.
15. Measuring body temperature, types of fever.
16. Significance of changes in complete blood count and differential count.
17. Signs of iron deficiency.
18. Palpation of the spleen, causes of splenomegaly.
19. Examination of the lymph nodes. Causes of lymphadenomegaly.
20. The significance of scoring performance status in oncological diseases.
21. Methods and significance of assessing bone mineral density.
22. Methods of examining the urogenital system. Signs of urinary tract infection.
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.

Method and type of grading:

A grade from 1 (fail) to 5 (excellent) is given, that is the mean of the three scores obtained for the oral and bedside patient examination.

There is not any possibility of an offered grade.

Retake of a failed exam is feasible in the exam period or on the extracurricular exam week, according to the rules of the University.

List of course books, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids:

1. Lynn S. Bickley: Bates' Guide to Physical Examination and History Taking. (Wolters Kluwer, 12th Ed., 2016.) ISBN: 9781469893419
2. Lecture slides uploadad to Moodle.

Signature of habilitated instructor (course coordinator) announcing the course:

Signature of the director of the host institution:

Date of submission: