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 Haematology

Name of the subject: Belgyógyászati propedeutika

in English: bInternal Medicine - Propedeutics

in German: Innere Medizin - Propädeutik

Credit value: 4

Semester: 5-6
(as defined in the curriculum)

Total number of classes per week:	**lectures:** 14	**practical lessons:** 42	**seminars:** 0

Type of subject: **compulsory** **optional** **elective**

Academic year: 2023/2024

Language of instruction, for optional or elective subjects: english

Course code: AOKBHK781_1A

(In the case of a new subject, this cell is filled in by the Dean's Office, following approval)

Course coordinator: Dr. Masszi Tamás

Place of work, phone number: Department of Internal Medicine and Hematology, +36-1-375-4364

Position: Head of the Department

Date and number of habilitation: 2010.06.07., száma: 305

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 behavior with patients.

Place of instruction (address of lecture hall or seminar room etc.):
Semmelweis University, Department of Internal Medicine and Haematology
1088 Budapest, Szentkirályi u. 46.

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 further their knowledge during the obligatory summer practice.

Prerequisites for course registration and completion:
Medical Biochemistry II., Medical Physiology II., Hungarian Medical Terminology IV, Introduction to Patient Care

Conditions for concurrent course registration and permission thereof in the case of a multi-semester subject:

Student headcount conditions for starting the course (minimum, maximum) and method of student selection:
One sixth of the students registered at the Neptun system for the third year.

Detailed course description:
(Theoretical and practical instruction must be broken down into lessons (weeks), numbered separately. Please provide the names of lecturers in both types of lessons, indicating guest lecturers. This information is not to be attached separately. CVs of guest lecturers, however, must be attached.)
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 are in the corresponding examination periods

Lectures:
Duration: 1 contact hour = 1x45 minutes

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

Practices:
Duration: 3 contact hours = 3x45 minutes

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

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

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

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 feed backs on their advances and areas that need further improvement.

Number and type of assignments for individual work and the deadline for submission:
N/A

Requirements to obtain the teacher's signature:
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.

Type of assessment *(comprehensive examination, end-term examination, term-grade, term-grade on a three-grade rating scale, no examination)***:**
Semi-final, oral, and patient examination.

Examination requirements:
(*list of examination topics, subject areas of tests / examinations, lists of mandatory parameters, figures, concepts and calculations, practical skills)*
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.

- During bedside patient examination the student is required to demonstrate the acquired skills in taking medical history and physical examination
- The oral question part allows the student to demonstrate lexical knowledge.

Topic list for the oral questions

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:

(*Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results of the end-of-term assessment. Possibilities of and conditions for offered grades.)*

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.

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:

- Lecture slides provided online through the Moodle
- Kasper– Fauci –Hauser – Longo – Jameson – Loscalzo: Harrison's Principles of Internal Medicine. 20th Ed., 2018
- Lynn S. Bickley: Bates' Guide to Physical Examination and History Taking. 12th Ed., 2017
- Papadakis – McPhee – Rabow: CURRENT Medical Diagnosis and Treatment. 2018
- Porter: The Merck Manual of Diagnosis and Therapy. 20th Ed., 2018

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

Signature of the director of the host institution:

Date of submission: