

**Semmelweis University, Faculty of Medicine - single, long-cycle medical training -
Osztatlan általános orvos képzés**

Name of the host institution (and any contributing institution):

Belgyógyászati és Onkológiai Klinika

Name of subject: Belgyógyászat nyári gyakorlat

in English: Summer Practice - Internal Medicine

in German: Innere Medizin (Famulatur im Sommer)

Credit value: 3

Semester: 6th semester

(in which the subject is taught according to the curriculum)

Hours per week	Lecture	Practical lesson	Seminar
0.0	0.0	0.0	0.0

Hours per semester	Lecture	Practical lesson	Seminar
168.0	0.0	168.0	0.0

Type of course:

obligatory

Academic year:

2025/26

Language of instruction (for optional and elective subjects):

angol

Course code:

AOKNSG1131_1A

(in the case of a new course, to be completed by the Dean's Office, following approval)

Course coordinator name: Dr. Takács István (igazgató)

Course coordinator location of work, telephone availability: Department of Internal Medicine and Oncology, Semmelweis University, Tel: 06-1-459-1500/51520

Course coordinator position: professor, department head

Course coordinator Date and number of habilitation: 2011, 328 (Semmelweis University)

Objective of instruction and its place in the curriculum:

During Internal Medicine Summer Practice students are involved into daily clinical work at a medical ward. They practice taking health history as well as physical examination and they participate in patient care using their pre-clinical knowledge. They become familiar with differential diagnostics and the integrative perspective of internal medicine.

Method of instruction (lecture, group work, practical lesson, etc.):

bedside work on a medical ward, consultations

Competencies acquired through completion of course:

Completion of the course enables medical students to strengthen the knowledge of medical history taking from an adult patient, to conduct a comprehensive physical examination and to create a diagnostic and basic therapeutic plan based on these findings. Throughout the course students become familiar with standard therapies. They also improve their communication skills with colleagues, patients and relatives

Course outcome (names and codes of related subjects):

AOKBOK784_1A, AOKKAR1114_1A, AOKSGO891_1A, AOKSZE1143_1A, AOKGY1960_1A, AOKTRA1115_1A

Prerequisites for course registration and completion: (CODE):

Internal Medicine - Propedeutics

In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:

Not applicable

The number of students required to start the course (minimum, maximum), student selection method:

Based on student registration in Neptun, maximum 25 students / month.

Detailed course syllabus (if the course can be divided into modules, please indicate): (Theoretical and practical instruction must be broken down into hours (weeks), numbered separately; names of instructors and lecturers must be listed, indicating guest lecturers/instructors. It cannot be attached separately! For guest lecturers, attachment of CV is required in all cases!)

Students spend 1 month (daily 8 hours , between 8:00 AM - 4:00 PM) at a medical ward. Participation in afternoon /evening shifts for students is optional, and such participation does not substitute attendance in regular hours.

They become familiar with the Department / Clinic and its wards.

They attend consultations with tutors during which they revise the most relevant physical examination techniques (examination of the respiratory system, the cardiovascular system and the abdomen).

Under supervision of a tutor (Internal Medicine specialist) they participate in daily clinical work. Students' tasks include

- uptake of comprehensive patient history (identifying data, chief complaints, present illness, past history, family, personal and social history, review of systems) using proper medical terms, interpretation of past events and understanding their relationship
- comprehensive physical examination, description and interpretation of findings
- evaluation and interpretation of laboratory findings based on their preclinical knowledge
- evaluation of medical therapy (connecting generic and brand names of medications used by patients, identifying indications of medications, planning a potential drug treatment of the present illness)
- observation of common interventions (arterial blood draw, insertion of central lines / feeding tubes / catheters, removal of pleural / ascitic fluid)
- performing basic medical interventions
 - evaluation of blood pressure and pulse, body temperature measurement, ECG
 - blood glucose measurement and administration of insulin to patients
 - applying basic drug administration techniques (iv., im., sc.),
 - venous blood draw
 - application of infusions (under supervision)
- becoming familiar with patient charts, documents and medical reports
- becoming familiar with patient consent forms, participation during asking for consent
- participation during consultation with patients' family members

Students summarize their activities in a logbook on a daily basis. They refer a patient on a weekly basis to the head of the Department, and they write a case report from a patient on a weekly basis (4 case reports during 4 weeks altogether)

Students visit special units of the Department (cardiology, plasmapheresis, gastroenterology, osteodensitometry).

Daily program:

08:00-08:30 morning round, meeting patients

08:30-09:00 morning referral (via Zoom)

09:00-10:00 morning round with the junior and senior doctor

10:00-10:20 coffee break

10:20-12:00 admission of new patients, participation on diagnostic examinations, participation on compulsory consultations

12:00-12:30 midday referral of patients (to junior doctors)

12:30-13:00 lunch break

13:00-13:30 evaluation and discussion of new diagnostic findings (laboratory results, imaging)

13:30-16:00 discussion of the daily activities, revision of patient documentation, writing case report / logbook

Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimize overlaps, topics should be coordinated. Code(s) of courses (to be provided):

AOKELT792_1A,

Requirements for attendance, options for making up missed sessions, and method of absence justification:

According to the rules of the University, students are required to participate on at least 18 / 20 days (90%). 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.

Assessment methods during semester (number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks):

(number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks)

Students discuss their case reports and logbooks with their tutors on a weekly basis.

Number and type of individual assignments to be completed, submission deadlines:

Students summarize their activities in a logbook on a daily basis. They write a case report from a patient on a weekly basis (4 case reports during 4 weeks altogether). They visit special units of the Department (cardiology, plasmapheresis, gastroenterology, osteodensitometry).

These tasks must be completed by the last day of the summer practice.

Requirements for the successful completion of the course:

Participation on at least 90% of the summer practice and completion of coursework (logbook and case reports) by the end of the practice. 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.

Type of assessment:

end term examination

Exam requirements (list of topics, topics of the test exam, and the optional project topics accepted as an exam)

The exam is based on the student's knowledge related to Internal Medicine Propedeutics and the Summer Practice.

The examiner revises the student's logbook and the student's case reports.

During bedside patient examination the student is required to demonstrate the acquired skills in taking medical history, physical examination and patient referral.

Clear, specific minimum requirements for assessment. (The list of mandatory concepts, parameters, diagrams, calculations, and practical skills required to obtain a passing grade, as well as the criteria for the completion and evaluation of project assignments accepted as an exam.) A link published on the department's website referring to the minimum requirements of the course.

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

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

There is not any possibility of an offered grade.

Retake of a failed exam is feasible on the week after the Summer Practice in August.

Students spending their Summer Practice abroad in a teaching hospital acknowledged by Semmelweis University can take the exam at the site of the practice. In that case, students must bring / send their attendance sheets with the exam grade to the secretariat of the Department.

Artificial intelligence systems used in the teaching of the subject and the manner of their application

Printed resources:

Required	pdf.igen
Author	Lynn S. Bickley
Title	Bates' Guide to Physical Examination and History Taking. 12th Ed., ISBN: 9781469893419
Publisher	Wolters Kluwer
Year of publication	2016

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

Signature of the director of the host institution:

Date of submission:
