

Semmelweis University, Faculty of Medicine - single, long-cycle medical training**Name of the host institution (and any contributing institution):**Pulmonológiai Klinika

Name of subject: Pulmonológia 6 hetes szigorló gyakorlat**in English:** Pulmonology 6-week advanced training**in German:** Pulmonologie 6-wöchige Spezialisierung

Credit value: 5**Semester:** 11. szemeszter, 12. szemeszter

(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
240.0	0.0	240.0	0.0

Type of course:obligatory

Academic year:2025/26

Language of instruction (for optional and elective subjects):angol

Course code:

AOKANG1137_SA

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

Course coordinator name: Dr. Müller Veronika**Course coordinator location of work, telephone availability:** Pulmonology Clinic,
+36-1-355-9733**Course coordinator position:** professor of medicine, head of department**Course coordinator Date and number of habilitation:** 2010.06.07. 307/2010

Objective of instruction and its place in the curriculum:

To acquire a deeper level of general medical competence in the investigation and management of pulmonary diseases. The aim is to achieve a high level of mastery of at least 2 elements of diagnostic and/or therapeutic care in pulmonary medicine during the 6-week clinical training. Elements may be chosen where the acquisition of these skills will help the student to work independently as a doctor in the future. The skills will be assessed jointly by the student and the teacher at the end of the training program.

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

Practical lessons, group work.

Competencies acquired through completion of course:

More detailed knowledge on the diagnostic and/or therapeutic elements used in clinical practice than in 4th year. The aim is to acquire at least 2 diagnostic and/or therapeutic elements that are used with a high level of knowledge in general medical practice.

Course outcome (names and codes of related subjects):**Prerequisites for course registration and completion: (CODE):**

Pulmonology

In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:**The number of students required to start the course (minimum, maximum), student selection method:**

Minimum 1 student, maximum 15 students

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!)

Subject summary

Pulmonology is an optional 6-week block of the 6th year at the Pulmonology Clinic (1083 Budapest VIII. district, Tömő u. 25-29.). During the 6-week programs, students receive continuous practical training (6 credits) to deepen their theoretical knowledge of the subject and to acquire practical skills in the most important pulmonary diagnostic and therapeutic procedures.

The training program will take place with the supervision of an individually assigned mentor of the clinic. It is recommended that the student should acquired at least 2 diagnostic and/or therapeutic elements applied in general medical practice with a high level of knowledge.

Suggested diagnostic/therapeutic elements to be mastered according to the special pulmonary area represented by the designated mentor.

Pulmonological diagnostic elements

- Performing a blood gas test and evaluating the findings
- Evaluation of respiratory function findings: differentiation of ventilation disorders, differential diagnosis
- Evaluation of ECG in pulmonology patients for pulmonology practice
- Evaluation of ergospirometry
- Patient preparation for bronchoscopy
- Patient preparation for invasive thoracic surgery
- Evaluation of ECHO findings
- Practice of sleep diagnostic screening (polygraphy), evaluation of findings
- 6MWT
- Allergological examination and evaluation of findings

Pulmonological therapeutic elements

- NIV tools • Oxygen therapy methods
- Inhalation device practice
- Basic elements of respiratory rehabilitation
- Preparation of patient documentation and presentation in the oncology team
- Preparation and presentation of patient documentation in the ILD team

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):

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

Training elements will be held according to the at pre-announced timetable. Absence according study and examination regulations is allowed. Additional absence must be made up preceedingly with the head of the department.

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)

(including the number, topics and scheduling of oral and written tests, their share in the overall evaluation, make-up tests and improvement tests)

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

Practical exam of 2 topics -

Requirements for the successful completion of the course:

According study and examination regulations.

Type of assessment:

gyakorlati vizsga_en

Examination requirements (list of examination topics, subject areas of tests, lists of mandatory parameters, figures, concepts and calculations, practical skills, optional topics for the project assignment recognized as an exam and the criteria for its completion and evaluation)

According study and examination regulations.

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)

Practical exam grade (1-5), exam consists of 2 topics, at least 2 grades are required for both topics. The average of these grades gives the final grade.

Printed resources:

Required	No
Author	Prof. Dr. Müller Veronika
Title	Respiratory Medicine

Publisher	Semmelweis Kiadó és Multimédia Stúdió Kft
Year of publication	2024

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

Signature of the director of the host institution:

Date of submission:
