

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

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

Sürgősségi Orvostani Klinika

Name of subject: Sürgősségi orvostan és Oxyológia

in English: Emergency Medicine and Oxyology

in German: Notfallmedizin und Oxyologie

Credit value: 2

Semester: 7th semester, 8th semester

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

Hours per week	Lecture	Practical lesson	Seminar
2.5	1.0	1.5	0.0

Hours per semester	Lecture	Practical lesson	Seminar
0.0	0.0	0.0	0.0

Type of course:

obligatory

Academic year:

2025/26

Language of instruction (for optional and elective subjects):

Course code:

AOKSGO891_1A

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

Course coordinator name: Dr. Fenyves Bánk Gábor (igazgató)

Course coordinator location of work, telephone availability: Department of Emergency
Medicine, 06 20 666 2060

Course coordinator position: clinic director

Course coordinator Date and number of habilitation: none

Objective of instruction and its place in the curriculum:

Emergency Medicine includes prehospital and hospital emergency care.

A priority educational goal of this subject is to provide insight in the approach of emergency
medicine care.

Rapid assessment of the patient, the importance of sorting them into groups according to severity

(Triage), symptom/complaint and risk-oriented patient approach, using red flags, knowledge about the initial diagnostic options commonly use at the bedside (POCT) and the evaluation of this and essential techniques used in first care or critical treatment of patients (airway insurance, venous insurance, oxygenation etc.). Teaching about the care of common emergency diseases and a structured form of communication (SBAR) are also the basic elements of the course.

The Monday morning lectures of the first week highlight the important parts of the subject material, to be increased the effectiveness of the student's individual preparation.

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

There are 10 hours of Lectures and 22 hours of Practices planned for the 1st week of the Block.

The Lectures are on Monday in the morning and on Friday (organised from National Ambulance Service)

The Practices are running paralel for each subgroup from the block on different places.

Competencies acquired through completion of course:

- Communication – SBAR skills
- Recognition of critical ill patients
- Use of the Symptom groups and Red flags
 - o AMS
 - o Seizures
 - o Syncope
 - o Shock
 - o Chest pain
 - o Dyspnoe
 - o Anaphylaxis
 - o Intoxiations
- Basic assessment
- Diagnostic plan
- Basics of stabilization

Course outcome (names and codes of related subjects):

Prerequisites for course registration and completion: (CODE):

Internal Medicine - Propedeutics, Pharmacology I , Translational Medicine and Pathophysiology II.

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 for each block is 6, maximum for each block is 24

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!)

The subject is taught in block form. During 2 week course all students spend 3 days at the Emergency Clinic (from Monday to Thursday) and 1 day to learn prehospital care (Friday) in another institute (is organized from National Ambulance Services)

On the first Monday in the morning we will start with lectures (for the whole group) and in the afternoon, we will start already with the practices (for subgroups). The number of participants are regulated in each practice, it means that all groups will be switched in subgroups. The maximum number of subgroups for each practice is 8 persons.

Schedule:

Lectures:

1. Emergency medicine,
 - Definition, Basics
 - Form und Function
2. Quick look. How to recognize critically ill patients
3. ABCDE approach
4. OMV basics

Practices:

RF practice: is about the Red Flags from Emergency medicine - to understand and practice during a play

xBLS practice: BLS practice with basic airway skills and bag-mask ventilation.

ABCDE Practice: bed side practice, about ABCDE approach

Bedside practice: is a bedside practice about Quick look, patient assessment and decision making. To observe the OMV skills, and learn the pearls of monitoring. SBAR communication. Patient management. Patient pathway management. Practice the red flags.

Tutors:

Dr. Vass Péter, Dr. Enyedi Vivien, Dr. Imecz Judit, Dr. Békefi-Erős Eszter, Dr. Békefi László, Dr. Pálincás Lóránt, Dr. Prohászka Bence, Dr. Czenke Dóra, Dr. Sándor Szilárd, Dr. Szentgróti Rita, Dr. Bukor Barbara, Dr. Szulimán Tamara, Dr. Melicher Dóra, Dr. Kiss Veronika, Dr. Farkas Balázs, Dr. Galambos Máté, Dr. Merényi András, Dr. Földiák Ádám, Dr. Szabó Dávid

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:

In order to obtain a signature, 90% of all exercises (Lectures and practices) must be attended.

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)

The examination requirements are structured as follows:

The final grade is partially based on the OSCE (Objective Structured Clinical Examination). A key element in the structure of the course is ensuring that the educational objectives and competencies align with the skills being assessed. During the Thursday consultation session, students are required to complete a practical examination at the bedside, demonstrating the knowledge they have acquired during the course. The result of this assessment contributes 25% to the final colloquium grade.

Participation in the xBLS practical sessions is conditional upon the successful completion of an entry test in the E-learning system.

During the xBLS practical sessions, students are continuously assessed by the instructors (Continuous Assessment), with the evaluation criteria including activity, theoretical preparedness, and the quality of performed tasks. The score obtained in this assessment contributes 25% to the final colloquium grade.

On the Monday of the second week of the block, the course concludes with a test examination conducted via the E-learning system. This test accounts for 50% of the final grade in the colloquium.

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

none

Requirements for the successful completion of the course:

The registration for the practices is managed with our online system based on the Neptun codes.

Make up is possible with other Groups only (with a maximum of 10 students in each subgroup).

In order to obtain a signature, 90% of all exercises (Lectures and practices) must be attended.

Type of assessment:

kollokvium_en

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

The final colloquium grade will be based on the OSCE practical exam (25%), the xBLS continuous assessment (25%) and the online Moodle test, written exam (50%). A list of items is included. The test questions are not published due to the design of the colloquium grade.

The exam requirement is structured as follows:

The final grade is partially developed according to the OSCE (Objective Structured Clinical Examination) examination method. An important aspect of the course structure is to ensure that the objectives and competences are consistent with the competences to be measured. During the Thursday consultation lecture, students will be required to take a practical examination on the knowledge they have acquired during the practical sessions, at the bedside. The assessment obtained here will constitute 25% of the colloquium assessment.

The start of the xBLS practicals is conditional upon successful completion of an entry test in the E-learning system.

During the xBLS placement, students are continuously assessed by our trainers (Continuous assessment), based on activity, theoretical preparation and the quality of the work done. The points obtained here represent 25 % of the final assessment.

On the Monday of the second week of the block, the block will be completed by an E-learning Test Examination, which will count for 50% of the final grade.

EXAM TOPICS IVth YEAR:

1. Alerting skin conditions
2. Breathing assessment
3. Signs of dyspnoe
4. Assessment of consciousness level
5. Alerting signs of posture
6. Assessment of pain
7. Risk factors of chest pain
8. Risk factors of abdominal pain
9. Risk factors of headache
10. Risk factors of lower back pain
11. Risk factors of extremity pain
12. Risk factors of febrility
13. Risk factors of AMS (altered mental state)
14. Risk factors of neurological deficit
15. Risk factors of SOB (shortness of breath) / dyspnoe
16. Risk factors of loss of consciousness (T-LOC) / syncope
17. Risk factors of seizure
18. Critical values of blood pressure
19. Source of errors in blood pressure measurement
20. Source of errors in pulse measurement
21. Source of errors in Pulsoxymetrie
22. Measurement of body temperature, values and source of errors
23. Assessment of GCS

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)

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The start of the xBLS practicals is conditional upon successful completion of an entry test in the E-learning system.

During the xBLS placement, students are continuously assessed by our trainers (Continuous assessment), based on activity, theoretical preparation and the quality of the work done. The points obtained here represent 25 % of the final assessment.

On the Monday of the second week of the block, the block will be completed by an E-learning Test (written exam), which will count for 50% of the final grade.

OSCE practical exam: 25%

xBLS continuous assessment: 25%

online Moodle test, written exam: 50%

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

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

Signature of the director of the host institution:

Date of submission:
