

**Semmelweis University, Faculty of Medicine - single, long-cycle medical training**

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

Városmajori Szív- és Érgyógyászati Klinika - Kísérletes Kardiológiai és Sebészeti Műtéttani Tanszék

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**Name of subject:** Emelt szintű varrattechnikák

**in English:** Advanced suturing techniques

**in German:** Fortgeschrittene Nahttechniken

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**Credit value:** 1

**Semester:** 6. szemeszter, 7. szemeszter, 8. szemeszter, 9. szemeszter, 10. szemeszter, 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
14.0	2.0	12.0	0.0

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**Type of course:**

elective

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**Academic year:**

2025/26

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

English

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**Course code:**

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

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**Course coordinator name:** Dr. Toronyi Éva

**Course coordinator location of work, telephone availability:** Department of Experimental Cardiology and Surgical Techniques

**Course coordinator position:** associate professor

**Course coordinator Date and number of habilitation:** 2012

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**Objective of instruction and its place in the curriculum:**

This subject aims to improve the knowledge of suturing and knotting to an advanced level by practicing new, special techniques. The practical skill training is based on theoretical lectures. This course is in English but is open to all three classes (Hungarian, English, and German).

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

After theoretical lectures, the students can practice the suturing techniques individually or in a group of two under the personal guidance of the tutors.

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**Competencies acquired through completion of course:**

Specific knowledge of preparation, stitches, suturing, and anastomosis techniques of the gastrointestinal tract and vessels.

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

The fulfillment of the mandatory course of 'Basic Surgical Techniques' is required.

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

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

There are a minimum of 5 and a maximum of 20 students. Registration is made via NEPTUN and is accepted on a first-come, first-served basis.

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**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!)**

**1st day**

Lectures:

Special suturing and anastomosis techniques of the intestines (1x45 min. )

Practice:

Bowel anastomosis on ex vivo tissue (6x45 min.)

## 2nd day

Lecture:

Special suturing and anastomosis techniques of the vessels (1x45 min.)

Practice:

Vessel anastomosis on ex vivo tissue (6x45 min.)

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**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):**

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

Regarding the optional type of the course, no making-up is feasible.

The course is divided into two days.

Each day contains two sessions: a morning session from 8:30 to 11:30 a.m. and an afternoon session from 12:30 to 15:30 p.m.

The presence will be regularly checked and documented in writing by the Department.

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**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)**

Tutors give feedback about the development of suturing skills during the practical sessions.

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

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**Requirements for the successful completion of the course:**

Presence at least 25% of the course (minimum one session).

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**Type of assessment:**

gyakorlati jegy\_en

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**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)**

The absence/presence sheet is used during practices to determine the final grade.

Active participation is highly expected during the course.

No further examination is required.

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**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)**

Attendance during practical sessions is the subject of grading.

The grade improvement is possible based on individual consultation (Topic related short presentation will be required.)

Grading:

Failed (1) - No presence of at least 25% of the course/minimum one session.

Satisfactory (2) - Present only at one session.

Moderate (3) - Presence only at two sessions.

Good (4) - Presence only at three sessions.

Excellent (5) - Presence at all four sessions.

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**List of coursebooks, 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; possibility of individual or group student consultation, if available:****Online resources:**

Required	No
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