## REQUIREMENTS

**Semmelweis University, Faculty of Medicine**
**Name of the managing institute (and any contributing institutes):**
Asklepios Campus Hamburg (ACH) of the Semmelweis University

**Name of the subject:**

**in English: Surgery Essentials: Hands-on Suturing & Laparoscopy**

**in German: Chirurgische Essentials: Hands-on Nähen und Laparoskopie**

**Credit value: 1**

**Number of lessons per week: 14 lessons of 45 min each,**

**lecture: 1 practical course: 13 seminar:**

**Subject type: compulsory course elective course optional course**

**Academic year:** 2026/2027

**Subject code:**

*(In case of a new subject, it is filled by the Dean's Office, after approval)*

**Name of the course leader:**

1. Prof. Dr. med. Karl Jürgen Oldhafer
2. Dr. med. Isabell Wedenig

**His/her workplace, phone number:**

Asklepios Klinik Barmbek, Rübenkamp 220, 22307 Hamburg, Tel: +49 (0)40 18 18-82 28 11

**Position:**

MD, Surgery, Dean's and Rectors's representative

**Date and registration number of their habilitation:**

1993 (Hannover Medical School, Hannover)

**Objectives of the subject, its place in the medical curriculum:**

This course is intended for medical students from the fourth year onward who are interested in surgical specialties. The focus is on training practical surgical skills. Building on classical suturing techniques, the course provides an in-depth introduction to minimally invasive surgery by offering hands-on experience with the laparoscopic trainer "Lübecker Toolbox," for which a six-task training curriculum has been developed (see http://www.luebeck-toolbox.de/training_en.html). Also, this course will lead the students from one-handed knot tying to instrument knot tying, preparing them with practical skills for every surgical discipline as well as laying the basis to proceed with training on a device for robotic laparoscopy.

**Place where the subject is taught (address of the auditorium, seminar room, etc.):**
Asklepios Medical School, Skills Lab, Lohmühlenstraße 5, 20099

**Successful completion of the subject results in the acquisition of the following competencies:**

- Advanced knowledge of laparsocopic surgery
- Advanced knowledge of one-handed and instrument knot tying

**Course prerequisites:**

- Medical students in the clinical phase of their studies.

**Number of students required for the course (minimum, maximum) and method of selecting students:**
Smallest number of participants: 6
Largest number of participants: 30
Method of selecting the participants: Students who applied for the course will be selected by a random number generator, if necessary

**How to apply for the course:**

- Online registration via O365 at a definite time

**Detailed curriculum:**
*(Theoretical and practical lessons shall be given separately by numbering the lessons (by weeks). Please provide the names of the teachers of the lectures and practical lessons and indicate guest lecturers. Do not use attachments!*
*Always attach a CV for guest lecturers!)*

All topics will be presented and/or supervised by Prof. Dr. Karl Jürgen Oldhafer

**Lesson 1:** Repetition of knot und suturing techniques
**Lesson 2:** Repetition of basal knowledge of laparoscopy
**Lesson 3**: hands-on lesson (exercise with a focus on device setting of the Lübecker Toolbox)
**Lesson 4-13:** hands-on lessons in tandems under supervision
**Lesson 14:** practical assessment

**Other subjects concerning the border issues of the given subject (both compulsory and optional courses!). Possible overlaps of themes:**

- Surgery
- Basic Surgical Techniques
- Da Vinci (elective)

**Special study work required to successfully complete the course:**
*(E.g. field exercises, medical case analysis, test preparation, etc.)*

- Active participation in courses

**Requirements for participation in classes and the possibility to make up for absences:**

- 75% attendance
- Missed classes will be made up for in self-study.

**Methods to assess knowledge acquisition during term time:**
(E.g. homework, reports, mid-term test, end-term test, etc., the possibility of replacement and improvement of test results)

- Homework & end-term test

**Requirements for signature:**

- 75% attendance
- Signed register

**Type of examination:**

- assessment of learning outcomes

**Requirements of the examination:**
(*In case of a theoretical examination, please provide the topic list; in case of a practical exam, specify the topics and the method of the exam)*

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**Method and type of evaluation:**
(*Method of calculating the final mark based on the theoretical and practical examination. How the mid-term test results are taken into account in the final mark.)*

- 100% written performance

**How to register for the examination?:**

- 75 % attendance is sufficient as a basic requirement to be admitted to the exam

**Possibilities for exam retake:**

- 2 time plus 1

**Printed, electronic and online notes, textbooks, guides and literature (URL address for online material) to aid the acquisition of the material:**

**Signature of the habilitated instructor (course leader) who announced the subject:**



Signature of the Director of the Managing Institute:

**Hand-in date: 20.07.2026**

**Opinion of the competent committee(s):**

**Comments of the Dean's Office:**

**Dean's signature:**