

## REQUIREMENTS

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| <b>Semmelweis University, Faculty of Medicine</b><br><b>Name of the managing institute (and any contributing institutes):</b><br>Asklepios Campus Hamburg (ACH) of the Semmelweis University  |
| <b>Name of the subject:</b><br><b>in English:</b> Career paths and choice of medical specialization<br><b>in German:</b> Ringvorlesung Facharztwahl und Karrierewege<br><b>Credit value:</b> 1<br><b>Number of lessons:</b> 6 à 120 min lecture: 6 - practical course 0 seminar: 0 Assessment 0<br><b>Subject type:</b> compulsory course <u>elective course</u> optional course  |
| <b>Academic year:</b> 2025  |
| <b>Subject code:</b><br><i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i>  |
| <b>Name of the course leader:</b><br>1) Prof. Dr. med. Karl-Jürgen Oldhafer<br><b>His/her workplace, phone number:</b><br>1) Asklepios Clinic Barmbek, Rübenkamp 220, 22307 Hamburg, Tel: +49 (0) 40 1818 822811<br><b>Position:</b><br>Chief of Surgery, Representative of the rector of the Semmelweis University<br><b>Date and registration number of their habilitation:</b><br>Hannover, 13.10.1993   |
| <b>Objectives of the subject, its place in the medical curriculum:</b><br><p>For many students, deciding which specialisation to choose after graduation is neither easy nor trivial. With 34 specialisations and 17 specialisations within internal medicine and surgery to choose from, students have to decide what is or could be right for them. In addition to individual and/or family experiences, many students continue to be inspired by people who may also draw their attention to a specialisation that they were not immediately aware was an option.</p> <p>In addition to the basic specialist orientation, it is also important for students to consider what kind of clinic they would like to spend their first few years in, as the difference between university clinics, private maximum care providers, smaller specialised clinics or rural clinics each entails specific requirements and opportunities.</p> <p>Another important aspect of career planning is the compatibility of family and career. Innovative management models are currently being developed that want and need to adapt to the changing expectations of future generations of doctors.</p> <p>The lecture series addresses this challenging overall constellation for students. In this format, all medical specialisations are gradually being addressed and hence will include an enhanced Q and A session after every lecture.</p> <p>The subject can be taken several times</p> |
| <b>Place where the subject is taught (address of the auditorium, seminar room, etc.):</b><br>Asklepios Medical School, Lohmühlenstraße 5, 20099 Hamburg   |

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| <p><b>Successful completion of the subject results in the acquisition of the following competencies:</b></p> <ul style="list-style-type: none"> <li>• Broadened knowledge of carrier options</li> <li>• Broadened knowledge of carrier paths and possibilities</li> <li>• Introspection of the own interest within the field of medicine</li> </ul>   |
| <p><b>Course prerequisites:</b></p> <ul style="list-style-type: none"> <li>• Medical students in the clinical phase of their studies.</li> </ul>  |
| <p><b>Number of students required for the course (minimum, maximum) and method of selecting students:</b><br/> Smallest number of participants: 5<br/> Largest number of participants: 200<br/> Method of selecting the participants: not required</p>  |
| <p><b>How to apply for the course:</b></p> <ul style="list-style-type: none"> <li>• Online registration via O365 at a definite time</li> </ul>  |
| <p><b>Detailed curriculum:</b><br/> <i>(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!<br/> Always attach a CV for guest lecturers!)</i></p> <ol style="list-style-type: none"> <li>1. <b>Lecture 1-5 (1 x 120 min): Lectures by chief physicians/lectures responsible for the respective subject on their carrier development including at least 30 minutes of interactive Q&amp;A; The lecturers are decided upon by the representative of the dean and the rector in each year.</b></li> <li>2. <b>Lecture 6 (1 x 120 min): Lecture by a young alumni of the Asklepios Campus Hamburg on her/his carrier path and decisions including at least 45 minutes of interactive Q&amp;A</b></li> </ol> |
| <p><b>Other subjects concerning the border issues of the given subject (both compulsory and optional courses!). Possible overlaps of themes:</b></p> <ul style="list-style-type: none"> <li>• Pre-clinic</li> </ul>   |
| <p><b>Special study work required to successfully complete the course:</b><br/> <i>(E.g. field exercises, medical case analysis, test preparation, etc.)</i></p> <ul style="list-style-type: none"> <li>• none</li> </ul>   |
| <p><b>Requirements for participation in classes and the possibility to make up for absences:</b></p> <ul style="list-style-type: none"> <li>• 75% attendance</li> <li>• Missed classes cannot be made up for in self-study.</li> </ul>  |
| <p><b>Methods to assess knowledge acquisition during term time:</b><br/> <i>(E.g. homework, reports, mid-term test, end-term test, etc., the possibility of replacement and improvement of test results)</i></p> <ul style="list-style-type: none"> <li>• report</li> </ul>   |
| <p><b>Requirements for signature:</b></p> <ul style="list-style-type: none"> <li>• 75% attendance</li> <li>• Signed register</li> </ul>   |
| <p><b>Type of examination:</b></p> <ul style="list-style-type: none"> <li>• assessment of learning outcomes</li> </ul>  |
| <p><b>Requirements of the examination:</b></p>  |

*(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)*

- completion of the preclinical part of the program
- It is possible to answer the assessment by attending the course. The basics taught in the course are tested

**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 exam (essay)

**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:**

Karl J. Oldenburger

**Signature of the Director of the Managing Institute:**

Karl J. Oldenburger

**Hand-in date: March 26<sup>th</sup> 2025**

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

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

**Dean's signature:**

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| <b>Semmelweis University, Faculty of Medicine</b><br><b>Name of the managing institute (and any contributing institutes):</b><br>Asklepios Campus Hamburg (ACH) of the Semmelweis University  |
| <b>Name of the subject:</b><br><b>in English: Clinical Emergencies</b><br><b>in German: Klinische Notfälle</b><br><b>Credit value: 1</b><br><b>Number of lessons: 2 blocks, in total 14 x 45 min    lecture: 4 x 45 min    practical course: 10 x 45 min    seminar: -</b><br><b>Subject type:    compulsory course    <u>elective course</u>    optional course</b>  |
| <b>Academic year: 3, 4 and 5</b>  |
| <b>Subject code:</b><br><i>(In case of a new subject, it is filled by the Dean's Office, after approval)</i>  |
| <b>Name of the course leader:</b><br><b>Prof. Dr. Thoralf Kerner</b><br>Dr. Oliver Haupt<br>Vincent Duske<br><br><b>His/her workplace, phone number:</b><br>Asklepios Klinikum Harburg, Eißendorfer Pferdeweg 52, 21075 Hamburg, Tel: +49 (0)40 181886-2501<br><b>Position:</b><br>Chief Physician, MD, Anesthesiology, Intensive Care, Emergency Medicine, Pain Therapy<br><b>Date and registration number of their habilitation:</b><br>Granting of licence to teach ("Lehrbefugnis") at 17.07.2003   |
| <b>Objectives of the subject, its place in the medical curriculum:</b><br>The objective of this course is to deepen and strengthen the practical skills of students, to react appropriately, experienced and professionally to clinical emergency situations. Already in the 6 <sup>th</sup> year rotation students will be confronted with emergency cases, to which they have to react fast and confidently, maybe also alone in a night shift. Therefore, it is of outmost importance, to train students practically for these situations. |
| <b>Place where the subject is taught (address of the auditorium, seminar room, etc.):</b><br>Asklepios Campus Hamburg   |
| <b>Successful completion of the subject results in the acquisition of the following competencies:</b> <ul style="list-style-type: none"><li>• Competent and confident handling of the following emergency situations:<ul style="list-style-type: none"><li>○ Myocardial infarction</li><li>○ Cardiac arrhythmia, tachyarrhythmia absoluta (TAA)</li><li>○ Asystole (-&gt; Cardiopulmonary Resuscitation)</li><li>○ Exacerbated chronic obstructive pulmonary disease (COPD) / Pneumonia</li><li>○ Status asthmaticus</li></ul></li></ul>      |

- (Opioid) intoxication
- Apoplexy
- Intracerebral hemorrhage
- Postoperative secondary hemorrhage
- Anaphylactic shock
- Foreign body aspiration (shortness of breath)

**Course prerequisites:**

- Completion of the pre-clinical phase, intended for students in their 5<sup>th</sup> to 10<sup>th</sup> semester.

**Number of students required for the course (minimum, maximum) and method of selecting students:**

Smallest number of participants: 5

Largest number of participants: 10

Method of selecting the participants: Students that 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!)*

Block 1 (lecture, 4x 45 min): Theoretical introduction in clinical emergencies (Duske/Haupt)

Introduction into the most common clinical emergency situations including pathophysiology, diagnostics(both physical examination and apparative diagnostics) and therapy.

Explanation of clinical algorithms in emergency management.

Theoretical introduction to

Block 2 (practical course, 10x45 min): Case simulations of typical clinical emergencies I

(Duske/Haupt)

Introduction into the simulation cases

Simulation case 1 (disoriented patient)

Possible differential diagnoses: hypo-/hyperglycemia, hyponatremia, postoperative delir, stroke

Simulation case 2 (Patient with trouble breathing)

Possible differential diagnoses: arterial embolism, ACS, psychosomatic pathological breathing, allergic reaction)

Simulation case 3 (Patient in shock)

Possible differential diagnoses: allergic reactions, cardiogenic shock, hypovolemic shock,

Simulation case 4(Patient with acute pain)

Possible differential diagnoses: ruptured abdominal aortic aneurysm, bowel perforation, abdominal trauma, acute appendicitis

Simulation case 5 (cardiac arrhythmia / TAA).

Possible differential diagnoses: Cardiac arrhythmia, infarction, electrolyte imbalance, (medical/opioid) intoxication

Simulation case 6 (Exacerbated COPD)

Possible differential diagnoses: COPD, pneumonia, asthma, pneumothorax....

Simulation case 7 (Unconscious patient, intracerebral hemorrhage)

Possible differential diagnoses: Apoplexy, intoxication, intracranial pressure, meningitis....

**Block 3:** (practical course, 5x45 min): Case simulations of typical clinical emergencies II including practical exams (Duske/Haupt).

Similar cases as in Block 2 will be presented, the differential diagnosis will be varied.

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

- Emergency medicine

**Special study work required to successfully complete the course:**

(E.g. field exercises, medical case analysis, test preparation, etc.)

**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)

- Oral contributions

**Requirements for signature:**

- 75% attendance
- Signed register

**Type of examination:**

- Practical exam

**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)

- In the practical exam the students will be presented with different clinical emergency cases, to which they have to react accordingly.

**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.)

- 25% Oral contribution
- 75% practical exam

**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 times

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

Thomas Fleischmann, Fälle Klinische Notfallmedizin, Die 100 wichtigsten Diagnosen.  
Elsevier/ Urban&Fischer

Marcus Frimmel, Klinische Notfälle griffbereit - Internistische Akutsituationen auf einen Blick.  
Schattauer

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

  
28.06.21

**Signature of the Director of the Managing Institute**

 **ASKLEPIOS**  
Klinikum Harburg  
Philipp Noack  
Geschäftsführender Direktor  
Eißendorfer Pferdeweg 52 · 21075 Hamburg  
Tel.: (040) 1818-86 2253  
Fax: (040) 1818-86 2127

**Hand-in date: 28<sup>th</sup> of June, 2021**

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

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

**Dean's signature:**

## REQUIREMENTS

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| <b>Semmelweis University, Faculty of General Medicine – single, long-cycle medical training programme</b><br><b>Name of the host institution (and any contributing institutions):</b><br>Asklepios Campus Hamburg (ACH) of the Semmelweis University  |                    |   |                                |
| <b>Name of the subject:</b><br><b>in English:</b> Medicine of Aging<br><b>in German:</b> Medizin des Alterns<br><b>Credit value:</b> 1<br><b>Semester:</b><br><i>(as defined in the curriculum)</i><br>7 - 12   |                    |   |                                |
| <b>Total number of classes:</b><br>14 x 45 min  | <b>lectures:</b> - | <b>practical lessons:</b><br>7 x 45 min | <b>seminars:</b><br>7 x 45 min |
| <b>Type of subject:</b> compulsory       optional <u>elective</u><br>(PLEASE UNDERLINE AS APPLICABLE)   |                    |   |                                |
| <b>Academic year:</b> 2023/2024   |                    |   |                                |
| <b>Language of instruction, for optional or elective subjects:</b> German   |                    |   |                                |
| <b>Course code:</b><br><i>(In the case of a new subject, this cell is filled in by the Dean's Office, following approval)</i>   |                    |   |                                |
| <b>Course coordinator:</b><br>1) Prof. Dr. med. Thomas von Hahn<br>2) Dr. med. Andreas Leischker, M.A.<br><b>Place of work, phone number:</b><br>1) Asklepios Hospital Barmbek, Rübenkamp 220, 22307 Hamburg, Tel: +49 (0) 40 1818 823811<br>2) Asklepios Hospital Wandsbek, Alphonssstraße 14, 22043 Hamburg, Tel: +49 (0)40 1818 831661<br><b>Position:</b><br>1) MD, Chief Physician Internal Medicine<br>2) MD, Consultant Geriatrician and Internal Medicine<br><b>Date and number of habilitation:</b><br>1) Hannover, 12 June 2013   |                    |   |                                |
| <b>Objectives of the course and its place in the medical curriculum:</b><br>In an aging population almost every physician has to treat elderly patients. Multimorbidity is common in elderly adults, and common diseases may present atypically in those patients. Therefore, it is of utmost importance that students understand age-associated changes in physiology and are aware of the highly interdisciplinary features of this field.<br>In this course students will get to know the geriatric ward of the Asklepios Klinik Wandsbek. They will - amongst others - join one ward round, one conference of the multidisciplinary team (nurses, physiotherapists, occupational therapists, social worker, physicians). They will take the history, an |                    |   |                                |



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| geriatric assessment and the physical examination one patient and will then prepare a presentation about this patient and his chief complaint. The students present their cases in the group under the supervision of a consultant geriatrician.  |
| <b>Place of instruction (address of lecture hall or seminar room etc.):</b> <ul style="list-style-type: none"> <li>• Asklepios Hospital Wandsbek</li> </ul>   |
| <b>Competencies acquired through the completion of the course:</b> <ul style="list-style-type: none"> <li>• Physical examination of elderly patients</li> <li>• Multimorbidity in the elderly</li> <li>• Atypical presentation of diseases in the elderly</li> </ul>  |
| <b>Prerequisites for course registration and completion:</b> <ul style="list-style-type: none"> <li>• Medical propaedeutics</li> </ul>  |
| <b>Conditions for concurrent course registration and permission thereof in the case of a multi-semester subject:</b> <ul style="list-style-type: none"> <li>• Online registration via O365 at a definite time</li> </ul>  |
| <b>Student headcount conditions for starting the course (minimum, maximum) and method of student selection:</b><br>Smallest number of participants: 6<br>Largest number of participants: 15<br>Method of selecting the participants: Students who applied for the course will be selected by a random number generator, if necessary  |
| <b>Detailed course description:</b><br><i>(Theoretical and practical instruction must be broken down into lessons (weeks), numbered separately. Please provide the names of lecturers in both types of lessons, indicating guest lecturers. This information is not to be attached separately. CVs of guest lecturers, however, must be attached.)</i> <ol style="list-style-type: none"> <li>1. Seminar 1 (1 x 45 min): Introduction into the Medicine of aging. Dr. Andreas Leischker, M.A.</li> <li>2. Practical Lesson (7 x 45 min): Ward round, team conference, physical exam of elderly patients. Dr. Andreas Leischker, M.A.</li> <li>3. Seminar 3 (6 x 45 min): Presentation of case reports, including differential diagnosis and therapy options, Dr. Andreas Leischker, M.A.</li> </ol> |
| <b>Related subjects due to interdisciplinary fields (both compulsory and elective) and potential overlaps between subjects:</b> <ul style="list-style-type: none"> <li>• Medical propaedeutics</li> </ul>   |
| <b>Attendance requirements; conditions under which students can make up for absences and the method of absence justification:</b> <ul style="list-style-type: none"> <li>• 75% attendance</li> <li>• Missed classes will be made up for in self-study.</li> </ul>   |
| <b>Form of assessment in the study period:</b><br>(including the number, topics and scheduling of oral and written tests, their share in the overall evaluation, make-up tests and improvement tests) <ul style="list-style-type: none"> <li>• Practical performance and oral contributions</li> </ul>  |
| <b>Number and type of assignments for individual work and the deadline for submission:</b> <ul style="list-style-type: none"> <li>• Preparation of one case report including differential diagnosis and therapy</li> <li>• Deadline: Date of Seminar 3</li> </ul>   |

**Requirements to obtain the teacher's signature:**

- 75% attendance
- Signed register

**Type of assessment** (*comprehensive examination, end-term examination, term-grade, term-grade on a three-grade rating scale, no examination*):

- Oral exam

**Examination requirements:**

(*list of examination topics, subject areas of tests / examinations, lists of mandatory parameters, figures, concepts and calculations, practical skills*)

The presentation of the case report will be the oral exam. During and after the presentation questions with the following topics will be asked:

- Common Anatomic and Physiologic Changes With Aging
- Diversity of Aging
- Ageism
- Taking History in Geriatrics: Underreporting of Symptoms, History by proxies,...
- Polypharmacy, "Describing"
- Malnutrition
- Interprofessional Team Care
- Geriatric Assessments: Mobility/Falls, Cognition, Depression, Nutrition
- Quality of Life
- Differential Diagnosis
- Prevention, especially vaccinations for the elderly
- Discharge Planning
- Ethics, Advance Directives
- Delirium: diagnosis and treatment
- Emergency Care in the Geriatric Patient including "Silver Trauma"

**Method and type of grading:**

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

- 25% practical/oral performance
- 75% oral exam

**List of course books, 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:**

Klaus Hager, Olaf Krause (Hrsg.): Elsevier Essentials Geriatrie.: Das Wichtigste für Ärztinnen und Ärzte aller Fachrichtungen, 2. Auflage 2021. Elsevier Verlag München. ISBN978-3-437-22842-1

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

TLH (Hager)

**Signature of the director of the host institution:**

TLH (Hager)

**Date of submission:**