



LUND
UNIVERSITY

Faculty of Medicine

VMFM02, Surgery, 18 credits

Kirurgi, 18 högskolepoäng
Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Medical Degree Programme Board on 2020-04-01 to be valid from 2020-08-31, autumn semester 2020.

General Information

The course is in the first cycle and intended for exchange students.

Language of instruction: English

Required reading: in accordance with special information.

Main field of studies

Medicine

Depth of study relative to the degree requirements

A1F, Second cycle, has second-cycle course/s as entry requirements

Learning outcomes

Knowledge and understanding

For a Pass on the course, the students shall be able to

- identify patients with diseases/disorders related to the specific clinical situations described in the course content
- explain the first choice of investigation and management based on a critical scientific review of the current knowledge situation and propose supplementary investigations and management, and discuss prognosis and follow up of the clinical situations described in the course content
- demonstrate good theoretical knowledge of and be able to explain pathophysiological mechanisms of the clinical situations described in the course content
- explain measures to prevent disease, and assess and professionally manage pathological findings and findings of screenings related to the clinical situations described in the course content

Competence and skills

For a Pass on the course and with regard to the clinical situations described in the course content, the students shall be able to

- perform an appropriate clinical examination and interpret the results in order to propose a diagnosis and differential diagnoses, and assess the severity of the condition
- propose and perform an initial investigation and treatment
- scientifically and professionally interpret the findings of a completed examination, investigation and treatment
- apply medical, pathophysiological, epidemiological and pharmacological knowledge to the analysis of medical history and clinical findings
- describe and apply basic pain diagnostics and treatment, fluid therapy and nutritional treatment, taking the whole clinical picture and situation of the patient into account
- perform basic trauma care in accordance with ATLS in a simulated situation
- clear the airways and ventilate the patient
- excise minor skin tumours, apply local anaesthetic and suture skin wounds
- understand and follow prescribed hygiene procedures in a surgery and emergency ward
- interpret common X-ray images of relevance to the clinical situations of the course
- evaluate scientific reports and apply their contents with an evidence-based approach

Judgement and approach

For a Pass on the course, the students shall be able to

- professionally participate in care, taking ethical aspects into account

Course content

The course consists of several clinical placements, providing students with specialised knowledge of clinical work, scientific analysis of clinical problems and medical decision-making, as well as a professional approach. The course enables students to develop their basic knowledge and skills, and focuses on the identification, prevention and management of relevant clinical conditions within surgery, including associated acute conditions.

The course is based on the following clinical situations:

- Shock
- Electrolyte and fluid imbalance
- Terminal care
- Palpable tumours in the abdomen and breast organs
- Abdominal pain
- Hematemesis
- Indisposition and vomiting
- Blood in the faeces
- Swollen abdomen
- Pain on defecation
- Anorexia
- Weight loss
- Altered defecation habits

- Jaundice
- Burn and cold injuries
- Pigmented skin tags
- Trauma
- Deglutition disorders
- Arterial insufficiency

Course design

The course is located at clinical placements within different surgical and associated specialisations. The students participate under supervision in the work on wards, emergency and surgery departments and in endoscopy examinations and primary care. The theoretical teaching is mainly based on case methodology, seminars and lectures. Practical exercises and simulation exercises are also included.

Assessment

The assessment is based on a theoretical exam, an oral exam and a course portfolio.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass.

Entry requirements

To be admitted to the course, students must have the equivalent of three years of study on a Swedish medical degree programme including courses in internal medicine and propaedeutics, and proficiency in English corresponding to level 6 in Swedish upper secondary school.

Subcourses in VMFM02, Surgery

Applies from H20

- 2001 Written Examination, 9,0 hp
Grading scale: Fail, Pass
- 2002 Oral Exam, 4,5 hp
Grading scale: Fail, Pass
- 2003 Portfolio, 4,5 hp
Grading scale: Fail, Pass

Applies from H07

- 0701 Written Examination, 9,0 hp
Grading scale: Fail, Pass
- 0702 Oral Exam, 4,5 hp
Grading scale: Fail, Pass
- 0703 Portfolio, 4,5 hp
Grading scale: Fail, Pass