

LÄMA61, Clinical Medicine I, 30 credits

Klinisk medicin 1, 30 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by Committee for Biomedical, Medical and Public Health Education on 2014-04-02 to be valid from 2014-04-02, autumn semester 2014.

General Information

The course makes up semester 6 of the Master of Science programme in Medicine. It is compulsory.

Language of instruction: Swedish

The course is taught in Swedish. Literature in English and Swedish is used.

Main field of studies

Medicine

Depth of study relative to the degree requirements

G2F, First cycle, has at least 60 credits in first-cycle course/s as entry requirements

Learning outcomes

Knowledge and understanding

On completion of the course, the students shall be able to

- account for the examination, assessment and treatment of cardiac, renal, gastroenterological and pulmonary diseases, allergies, hematological and endocrinological diseases and stroke
- account for the significance of measures for preventing the outbreak of the diseases covered by the course

- account for the principles of referral to specialist care as regards cardiac, renal, gastroenterological, pulmonary, allergic, hematological and endocrinological disorders
- explain the general principles of pharmacological treatment with regard to the components taught
- account for the link between medication dosage and reduced function of the liver and kidney, and
- describe a shock condition

Competence and skills

On completion of the course, the students shall be able to

- diagnose, assess and initiate examination and treatment of cardiac, renal, gastroenterological and pulmonary diseases, allergies, and emergency states of hematological, endocrinological and neurological conditions
- obtain the medical history and carry out a relevant physical examination of a patient who applies for or is under treatment for one of the diseases covered by the course
- apply the basic hygiene procedures of healthcare
- document contacts with patients in accordance with current legislation
- write referrals to laboratories, diagnostic imaging, functional diagnosis and consultants for patients who apply for or are under treatment for one of the diseases covered by the course
- interpret the results of clinical-physiological examinations such as ECG, spirometry and blood pressure measurement and be able to explain the findings to the patient
- interpret the results of endoscopy and diagnostic imaging including ultrasound examinations of the heart and be able to explain the findings to the patient
- assess evidence in urine sediments
- conduct a short advisory conversation with a patient on changes in life style
- summarise clinical information from medical histories and records for colleagues, and
- cooperate and communicate with staff of all categories and other units within healthcare

Judgement and approach

On completion of the course, the students shall be able to

- respond to patients and relatives in a professional way
- identify the ethical issues associated with serious diseases, and
- independently take responsibility for their own education.

Course content

The course comprises the fundamental knowledge and skills required of a house officer with regard to emergency medicine, cardiology, pulmonary medicine and allergology, nephrology, gastroenterology, hematology, emergency neurology and endocrinology. Pharmacology, diagnostic imaging and functional diagnosis are treated in conjunction with relevant components.

Course design

The teaching on the course consists partly of theoretical components, such as lectures and case studies, and partly of group exercises including "sit-in" consultation practice, patient demonstrations, case seminars and exercises in simulated or real environments. The practical component of the training also includes ward practice and demonstrations of laboratory activities, such as diagnostic imaging, clinical physiology, bacteriology, clinical immunology, virology and clinical chemistry.

Assessment

All scheduled tuition, except lectures, is compulsory.

At the end of the course practical skills are examined by means of an OSCE examination (7.5 credits) and theoretical skills by means of a written test (7.5 credits).

The course portfolio (15 credits) is to document the completed practical components of the course. It is also to contain reflections with regard to judgement and approach.

Students who have failed examinations are entitled to re-take an examination four times. Further opportunities may be granted after a special application.

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 passed all exams up to and including semester 4, the assessed components/portfolio up to and including semester 5 and the professional development exam up to and including semester 5.

Further information

The course has the same content as Clinical Medicine 1 (L/LA61).

Instructions for study and grading criteria are available for the course.

Subcourses in LÄMA61, Clinical Medicine I

Applies from V10

- 0901 OSCE-test, 7,5 hp
Grading scale: Fail, Pass
- 0902 Written Test, 7,5 hp
Grading scale: Fail, Pass
- 0903 Portfolio, 15,0 hp
Grading scale: Fail, Pass