



Faculty of Medicine

LÄKA14, Introduction to the Medical Programme, 10.5 credits

Läkarprogrammets grundkurs, 10,5 högskolepoäng
First Cycle / Grundnivå

Details of approval

The syllabus was approved by Committee for Biomedical, Medical and Public Health Education on 2011-04-27 and was last revised on 2017-10-11 by The Medical Degree Programme Board. The revised syllabus applies from 2017-10-11, spring semester 2018.

General Information

The course is an introduction to the Master of Science programme in Medicine and is compulsory.

Language of instruction: Swedish

The course is taught in Swedish. English-language literature is used.

Main field of studies

Medicine

Depth of study relative to the degree requirements

G1N, First cycle, has only upper-secondary level entry requirements

Learning outcomes

Knowledge and understanding

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

- explain and discuss how properties can be inherited, how genetic variation occurs and is maintained, and the implications of the increased knowledge and potential

of genetics, and be able to use a correct terminology in this context (e.g. the one used in the required reading) and a language that is adapted to colleagues and/or the public

- use correct terminology to explain the functional anatomy of the knee joint and be aware of common types of knee injury and their diagnosis
- use the correct discourse (e.g. the one used in the required reading) to explain the transmission of nerve signals and provide a general account of central nervous control of the body's motor functions and of common types of neurological disease that cause motor disorders, and their diagnosis
- account for basic inflammatory processes, different forms of pain and their transmission, and be aware of the pharmacology of the relief of acute pain
- account for basic statistical and epidemiological concepts and principles
- account for basic theories and principles of medical ethics

Competence and skills

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

- analyse and apply the use of pedigrees
- provide first aid and carry out cardiopulmonary resuscitation
- present assignments in writing in accordance with instructions
- work constructively in and assess their own role in a group

Judgement and approach

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

- identify their need of knowledge and take responsibility for their own learning
- reflect on their own development and learning process
- reflect on standpoints of medical ethics

Course content

The above learning outcomes are part of the basic scientific skills required in the following clinical situations:

painful and/or swollen joint; trauma (low energy); fractures; dizziness/balance disorders; movement disorders; involuntary movement; respiratory arrest; drowning incidents. Furthermore, the course provides students with general knowledge of genetics which serves as a foundation for understanding genetic diseases, their management and diagnosis.

Students acquire information about the structure and general content of the medical degree programme in order to prepare for the challenges ahead. The core of the

course consists of points of departure discussed in tutor-led student groups, using the principles of problem-based learning (PBL). Ethical aspects are illustrated in parallel. The links between different medical disciplines are highlighted and the medical profession and medical research are placed in relation to each other in the light of the history of medicine and the theory of science. The work method PBL is introduced in the first week. Apart from PBL, the course contains a number of other types of instruction such as lectures, group work, practical exercises, observation in the health services, discussion exercises (in statistics), written assignments and seminars.

Course design

Teaching: Group work according to the principles of Problem-Based Learning (PBL) (comp), lectures, research presentations, lectures and discussion exercises in ethics (comp), discussion exercise in statistics, CPR and first aid (comp), study day Professional Role of the Doctor (comp). (comp) = compulsory component.

Assessment

Forms of assessment: Written exam, course portfolio including individual review

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

General and courses corresponding to the following Swedish Upper Secondary School Programs: Biology 2, Physics 2, Chemistry 2 and Mathematics 4.

Subcourses in LÄKA14, Introduction to the Medical Programme

Applies from V09

- 0801 Written Test, 6,0 hp
Grading scale: Fail, Pass
- 0802 Portfolio, 4,5 hp
Grading scale: Fail, Pass