



**Karolinska
Institutet**

Course syllabus for

Clinical Medicine 1, 7.5 credits

Medicinska ämnen 1, 7.5 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

Course code	1FY013
Course name	Clinical Medicine 1
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Not applicable
Level	GX - First cycle
Grading scale	Pass, Fail
Department	Department of Molecular Medicine and Surgery
Participating institutions	<ul style="list-style-type: none">• Department of Learning, Informatics, Management and Ethics• Department of Neurobiology, Care Sciences and Society• Department of Medicine, Solna• Department of Clinical Neuroscience
Decided by	Programme Committee 3
Decision date	2015-05-04
Course syllabus valid from	Autumn 2015

Specific entry requirements

Objectives

The course aims to provide knowledge of common clinical conditions within ethics, surgery, internal medicine, orthopaedics, neurology and rheumatology, and relates to the general learning outcomes of the whole Study Programme in Physiotherapy. After the course, the students should have acquired a good basis in medical subjects.

Learning outcomes

On completion of the course, the student should be able to

Identify, name and describe common clinical conditions

Account for the treatment of common clinical conditions

Account for the arguments for and against different treatment options for clinical complaints

Identify, describe and apply common ethical theories

Content

The course is given in collaboration with the following specialities: Ethics 0.5 week, surgery 0.5 week, medicine 0.5 week, neurology 1.5 week, orthopaedics 1.5 week, rheumatology 0.5 week.

Orthopaedics

The main contents consist of fractures, diagnostics and treatment of arthrosis, hip, diseases and injuries of the knee joint, the foot, shoulder and elbow, child orthopaedic diseases and injuries, diseases and injuries of the hand, amputation and prosthesis supply, cord diseases, ligament injuries and other traumatic soft tissue injuries.

Neurology

The neurology module of the course recapitulates parts of neuro-anatomy and comprises basic disease theory, neurological status and localisation. It deals with medical history, status findings and treatment of neurological conditions such as cerebrovascular diseases, neuro inflammatory diseases, epilepsy and motion disorders. Strong emphasis is placed common conditions such as head-ache, dizziness and central and peripheral paresis. The teaching is mainly given via lectures.

Rheumatology

The main contents consist of subdivision, occurrence and definition of rheumatoid arthritis, the spondylarthritis diseases, ankylosing spondylitis, reactive arthritis and psoriatic arthritis, articulate and extra-articulate findings and symptoms, diagnostics, laboratory examinations, function analysis and treatment.

The most important manifestations, and something about the treatment of SLE, Systemic sclerosis, Polymyositis and Dermatomyositis, Sjögren's syndrome and polymyalgia rheumatica, are presented.

Medicine

The main contents consist of clinic, diagnostics and treatment of bronchial asthma and chronic obstructive lung diseases, respiratory insufficiency, pneumonia, pleurisy, tuberculosis, lung cancer and tools, angina pectoris, acute heart attack, pulmonary edemas, arrhythmias, heart failure, diabetes mellitus and the metabolic syndrome, deep venous thrombosis, pulmonary embolisms, arterial emboluses

Surgery

The main contents consist of common surgical diseases, examination methods, treatment and surgeries and their complications with an emphasis on post-operative mobilisation and respiration. Comprises (general) surgery, traumatology, urology, vessel and plastic surgery, anaesthesia, post-operative pain alleviation and pain alleviation in chronic conditions.

Ethics

The main contents consist of key ethical theories, analysis and argument around ethical issues and ethical problems in healthcare.

Teaching methods

The teaching mainly consists of whole-class lectures mixed with patient demonstrations. In the course, whole-group lectures are mixed with group discussions and common discussions of example cases. The cases will highlight both general ethical problem in healthcare, and situations of special relevance for physiotherapists. Attendance and active participation is taken for granted.

Examination

The course is examined according to the following:

- Written examination with questions based on patient cases. The questions relate to the respective subject area.
- The ability to identify and describe clinical conditions based on knowledge that is acquired during the course is tested.
- Active participation in oral presentation of an ethical problematic case.

For a Pass grade course, it is required that the pass level has been achieved in all subjects.

In case of failure in the regular examination, the student is given the opportunity to return to a make-up examination during the same semester. Thereafter, the student is given the possibility to be taken an examination at two occasions each semester in connection with regular and retake opportunity, the future semesters. If the student has carried out six failed examinations/test be given no additional examination. At missed oral presentation of ethical problematic case, written supplementary assignment is given.

Transitional provisions

An examination will be made available for a period of one year in the event of the course being discontinued or a new course syllabus being devised.

Other directives

Course evaluation

Course evaluation is conducted according to the guidelines established by the Board of Education and based on established evaluation routines within the programme.

The course will not be credited in a degree together with another course the student has completed and passed which completely or partly corresponds to the contents of this course.

Literature and other teaching aids

Persson, Björn M.; Wingstrand, Hans

Ortopedisk grundbok

Wiberg, Gunnar; Lyons, Lena

Lund : Studentlitteratur, 2005 - 282 s.

ISBN:91-44-03702-3 LIBRIS-ID:9700671

[Library search](#)

Järhult, Johannes; Offenbartl, Karsten

Kirurgiboken : vård av patienter med kirurgiska, urologiska och ortopediska sjukdomar

Wilhelmsson, Jan

4., rev. och uppdaterade uppl. / b [illustrationer: AB Typoform/Jan Wilhelmsson] : Stockholm : Liber, 2006 - 604 s.

ISBN:91-47-05336-4 (inb.) LIBRIS-ID:10162746

URL: <http://www2.liber.se/bilder/omslag/100/4705336o.jpg>

[Library search](#)

Rehabilitering vid hjärt- och kärlsjukdomar

Ehrenkrona, Nina; Öman, Aina; Salander, Stig

2., [rev.] uppl. : Lund : Studentlitteratur, 1994 - 216 s.

ISBN:91-44-26772-X LIBRIS-ID:7277517

[Library search](#)

Aquilonius/ Fagius

Neurologi

Söderströms, 2000 - Spiralbunden

ISBN:9163403900

[Library search](#)

Reumatologi

Klareskog, Lars; Saxne, Tore; Enman, Yvonne

Lund : Studentlitteratur, 2005 - 435 s.

ISBN:91-44-03645-0 (inb.) LIBRIS-ID:9989214

[Library search](#)

Lynöe, Niels

Medicinska etikens ABZ

Juth, Niklas

Stockholm : Liber, 2009 - 416 s.

ISBN:91-47-09413-3 LIBRIS-ID:11468670

[Library search](#)