

SYLLABUS

Medical Science, Medicine and Surgery 7.5 credits M0082H

Medicinsk vetenskap, Medicinska och kirurgiska sjukdomar

Course syllabus admitted: Autumn 2018 Sp 1 - Present

**DECISION DATE
2018-02-15**

Medical Science, Medicine and Surgery 7.5 credits M0082H

Medicinsk vetenskap, Medicinska och kirurgiska sjukdomar

First cycle, M0082H

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG	Medicinsk vetenskap	Medicine

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language +

Swedish upper secondary school courses Mathematics 2a/2b/2c , General Science 2, Social Studies 1b/1a1 +1a2 (specifik entry A14).

Or:

Swedish upper secondary school courses Mathematics B, General Science B, Social Studies A (specifik entry 16)

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Examiner

Johanna Sundbaum

Course Aim

On completion of the course, the student should be able to: Describe aetiology, pathophysiology, diagnostics, treatment and prognosis for the most commonly occurring diseases in the course. Special focus will be given to endemic and lifestyle diseases and conditions that are especially interesting, sensitive or subject to substantial interest in society. This knowledge constitutes a basis for future placement and career-specific courses and is of importance to enable good and patient safe care in the future career as a registered nurse.

Contents

- Diseases of the circulatory organs
- Endocrinological diseases
- The diseases of the respiratory organs
- The diseases of the gastrointestinal canal
- Pharmacology of the autonomous nervous system
- Clinical chemistry including blood diseases
- Pharmacological pain treatment
- Oncology

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The course is designed for a future work as a registered nurse. Learning takes place in the form of lectures, literature studies, medical simulation and laboratory sessions. In all forms of tuition, support and promotion of the student's independent acquisition of knowledge are emphasised as well as the teacher's role as a guide in this context.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. The contents are examined in the form of an individual written examination and medical simulation. The written exam questions are formulated in such a way that the student's ability to apply his/her knowledge in real health care situations is tested. Alternative examination forms may occur.

Remarks

This is a first-cycle course. Study supervision is provided in the course room in Canvas. Passing this course constitutes a specific entry requirement for placement courses.

Overlap

The course M0082H is equal to M0073H

This course replaces M0073H, M0049H.

Literature. Valid from Autumn 2016 Sp 1

Bjuväng, A. (2014). Klinisk kemi och klinisk fysiologi: analyser och undersökningar. (4th.[updated] ed.) Lund: Studentlitteratur.

Grefberg, N. (ed.) (2013). Medicinboken: orsak, symtom, diagnostik, behandling. 5., [revised] ed.) Stockholm: Liber.

Järhult, J. & Offenbartl, K. (2013). Kirurgiboken: vård av patienter med kirurgiska, urologiska och ortopediska sjukdomar. (5th [revised and updated] ed.) Stockholm: Liber.

* Lindskog, B.I. (2008). Medicinsk terminologi. (5th., [rev.] ed.) Stockholm: Norstedts Akademiska.

* Nilbert, M. (2013). Klinisk onkologi. (1st. ed.) Lund: Studentlitteratur

* Nordeng, H., Nordeng, H. & Spigset, O. (2014). Farmakologi och läkemedelsanvändning. (2nd. ed.) Lund: Studentlitteratur.

* Norrbrink, C. (2014). Om smärta - ett fysiologiskt perspektiv. Lund: Studentlitteratur.

* Wheelan, S.A. (2013). Att skapa effektiva team: En handledning för ledare och medlemmar (2nd. ed.). Lund: Studentlitteratur.

* Literature has been used in earlier course .

Course offered by

Department of Health Sciences

Items/credits

Number	Type	Credits	Grade
0001	Written exam in autonomic nervous systems pharmacology	1	TG U G VG
0002	Written exam in hematology	1	TG U G VG
0003	Written exam in gastrointestinal diseases	1	TG U G VG
0004	Written exam in pharmacological pain treatment	0.6	TG U G VG
0007	Written exam in endocrinology	1	TG U G VG
0008	Digital examination Oncology	0.5	TG U G#
0011	Simulation	0.6	TG U G#
0012	Written exam in cardiovascular and pulmonary diseases	1.8	TG U G VG

Last revised

by 2018-02-15

Syllabus established

by Mai Lindström, prefekt 2014-11-11