

SYLLABUS

Medical Science in Theatre Nursing 7.5 credits M7006H

Medicinsk vetenskap inom operationssjukvård

Course syllabus admitted: Autumn 2020 Sp 2 - Spring 2023 Sp 4

**DECISION DATE
2020-08-19**

Medical Science in Theatre Nursing 7.5 credits M7006H

Medicinsk vetenskap inom operationssjukvård

Second cycle, M7006H

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

Entry requirements

Selection

The selection is based on 30-285 credits

Examiner

Åsa Engström

Course Aim

After completing the course students will be able to:

- Describe the different surgical techniques in general and special surgical operations to assist in surgeries, treatments and studies
- Explain and understand why and/or when different surgical techniques are used for children and adults
- Describe and explain topographic anatomy
- Analyse, reflect and in collaboration with medical experts assess and apply theatre nursing using scientifically proven methods
- Understand and describe local, regional and general anaesthesia including pharmacological action and basic monitoring during surgery
- Understand blood clotting mechanisms and bleeding control during surgery
- Apply knowledge of quantitative research methods for data collection and analysis in the field of theatre nursing

These skills provide a foundation for future nursing and internship courses and are a prerequisite to providing safe and secure care in your future profession as a theatre nurse.

Contents

- Theatre Care in children and adults, including surgical techniques in basic surgery and branch specialties
- Extended topographical anatomy
- Anaesthesia care including pharmacology
- Clotting mechanisms and bleeding control
- Scientific methodology

Realization

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

The content of the course elements and its teaching methods are specifically geared towards the profession of theatre nurse. Teaching methods vary and include individual studies, individual work or group work, lectures and seminars. Different working methods stimulate active knowledge, group discussions and reflection. Seminars and laboratory work are mandatory. As support for their studies students are offered lectures via distance-spanning technology. The course is carried out with the help of detailed objectives and guidelines set out in the course study guide.

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 course is examined through an individual written exam, home exam and/or seminar.

Alternative examination forms may occur.

Remarks

The course is given at an advanced level. A study guide is available in the university's learning management system

Transition terms

Replaces HMV057

Literature. Valid from Autumn 2020 Sp 2

*Björk, J. (Senaste upplagan). Praktisk statistik för medicin och hälsa. (1. uppl.) Stockholm: Liber

*Feneis, H. (Senaste upplagan). Anatomisk bildordbok. Stockholm: Liber

Alt:

*Netter, F.H. (Senaste upplagan). Atlas of Human Anatomy. New Jersey: Learning system

*Henricson, M. (Red.). (Senaste upplagan). Vetenskaplig teori och metod: Från idé till examination. Lund: Studentlitteratur.

*Norlén, P. & Lindström, E. (Red.) (Senaste upplagan). Farmakologi. Stockholm: Liber.

Haglund, U., & Hamberger, B. (Red.) (Senaste upplagan). Kirurgi. Stockholm: Liber

Lindgren, U., Svensson, O., & Alfredson, H. (Senaste upplagan). Ortopedi. Stockholm: Liber

*Rothrock, J.C. (Senaste upplagan). Alexander's Care of the Patient in Surgery. St. Louis: Mosby/Elsevier

Scientific articles will be added

* Literature used in previous courses

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0003	Written exam	U G VG *	3.5	Mandatory	A09	
0006	Take-home examination scientific methods/statistics	U G VG *	1	Mandatory	A09	
0008	Take home exam in anaesthetic care	U G VG *	1.5	Mandatory	A16	
0009	Seminar	U G#	1.5	Mandatory	A19	

Last revised

by 2020-08-19

Syllabus established

Fastställd av prefekt vid Institutionen för hälsovetenskap 2007-05-15.