



COURSE SYLLABUS

Pathophysiology and Pharmacology, Focusing on Oral Health, 7.5 credits

Patofysiologi och farmakologi, inriktning oral hälsa, 7,5 högskolepoäng

Course Code: HPFA18	Education Cycle: First-cycle level
Confirmed by: Utbildningsrådet Sep 27, 2016	Disciplinary domain: Medicine
Revised by: Department head Sep 21, 2021	Subject group: ME1
Valid From: Dec 13, 2021	Specialised in: G1F
Version: 7	
Reg number: Avdelningen för naturvetenskap och biomedicin	

Intended Learning Outcomes (ILO)

Upon completion of the course the student should have the;

Knowledge and understanding

- describe common diseases, its treatments and importance to oral health
- describe general pharmacological principles
- explain mechanisms of drug action and biological effects of analgesic drugs.

Skills and abilities

- use FASS when issuing prescriptions
- execute cardiopulmonary resuscitation

Contents

- how common diseases (cardiovascular, respiratory, gastro-intestinal, neurological, endocrine and rheumatic) and their medical care affect oral health and dental treatment
- basic pharmacology; pharmacodynamics and pharmacokinetics
- analgesic drugs
- cardiopulmonary resuscitation

Type of instruction

The course is implemented in the form of lectures and case studies.

The teaching is normally conducted in Swedish, but can occasionally be in English.

Prerequisites

General entry requirements and Anatomy and Physiology, basic course, 7,5 hp (or the equivalent).

Examination and grades

The course is graded A, B, C, D, E, FX or F.

Participation in one seminar, cardiopulmonary resuscitation training and one individually written exam.

Examiner

A university lecturer serves as the course examiner.

Registration of examination:

Name of the Test	Value	Grading
Written exam ¹	7.5 credits	A/B/C/D/E/FX/F
CPR	0 credits	U/G
Seminar	0 credits	U/G

¹ Determines the final grade of the course, which is issued only when all course units have been passed.

Course literature

Ericson, E., & Ericson, T. (2020). *Medicinska sjukdomar*. Studentlitteratur.

FASS Vårdpersonal. LIF. [Available 2021-09-13]. <http://www.fass.se/LIF/startpage>

Läkemedelsverket. (2014). *Läkemedelsboken 2018*. [Available 2021-09-13]. <http://www.lakemedelsboken.se>

Tandvårdens läkemedel 2020-2021. *Råd och rekommendationer för läkemedelsanvändning inom tandvården*. Tillgänglig via <http://folkhalsaochsjukvard.rjl.se/api/Evolution/pdf/6d7fd54a-add6-4bc4-8c54-c9ed1c3c2f3e>

Scientific articles

Latest edition of the course literature shall be used.