



COURSE SYLLABUS

Medical Microbiology, Hospital Infection Control and Immunology, 7.5 credits

Medicinsk mikrobiologi, vårdhygien och immunologi, 7,5 högskolepoäng

Course Code:	HVIA17	Education Cycle:	First-cycle level
Confirmed by:	Utbildningsrådet Aug 26, 2013	Disciplinary domain:	Medicine
Revised by:	Department head Aug 24, 2015	Subject group:	ME1
Valid From:	Sep 28, 2015	Specialised in:	G1N
Version:	7		
Reg number:	2015/2752 (313) Avdelningen för naturvetenskap och biomedicin		

Intended Learning Outcomes (ILO)

Upon completion of the course the student should have the;

Knowledge and understanding
in order to describe

- common microorganisms
- structures, metabolism, genetics and pathogenic ability of microorganisms
- common principles in microbiological diagnostics and treatment
- structure and functions of the immune system
- transmission of microorganisms and actions for prevention
- medical hygiene and its relevance for health care
- how medical hygiene is regulated in laws and regulations.

Contents

- general and specific microbiology
- microbiological diagnostics
- antibiotic and antiviral pharmaceuticals and resistance mechanisms
- structure and function of the immune system
- medical hygiene, prevention of transmission, laws and regulations

Type of instruction

The course consists of lectures and a lab exercise.

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

Prerequisites

General entry requirements (or the equivalent).

Examination and grades

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

Exam form

One individually written exam and one lab exercise.

Examiner

The course exams are conducted by a university lecturer.

Registration of examination:

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

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

Course literature

Cowan, K.C. (2011). Microbiology A Systems Approach. New York: McGraw-Hill.

The latest edition of the course literature will be used.