



Faculty of Health, Science and Technology
Clinical Medicine

Syllabus

Pathology

Course Code:	MDGSL1
Course Title:	Pathology <i>Sjukdomslära</i>
Credits:	7.5
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has less than 60 credits in first-cycle course/s as entry requirements (G1F)

Major Field of Study:

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2024-01-24, and is valid from the Autumn semester 2024 at Karlstad University.

Prerequisites

Anatomy and Physiology, 7.5 ECTS credits, or equivalent

Learning Outcomes

The aim of the course is for students to acquire basic knowledge of pathology and related therapeutic strategies.

Upon completion of the course, students should be able to:

- describe pathophysiological mechanisms in the cells, tissues, and organs of the human body and how these cause illness,
- demonstrate general knowledge of epidemiology and the underlying causes, including etiology, symptoms, treatment, and prognosis for the major groups suffering from somatic disease in the population,
- describe medical therapies and other potential forms of treatment in general terms,
- explain how pathological changes in certain organs can affect other organs and organ

systems in the body, and

- describe how different pathophysiological processes can be monitored using chemical analyses and physiological examination methods.

Content

Instruction is in the form of lectures and supervision.

The course includes the following components:

- Cell damage
- Inflammation and healing
- Cancer
- Cardiovascular disease
- Obstructive lung disease
- Allergy
- Diabetes
- General pharmacology

Treatment, chemical and physiological examination methods, and incidence of disease in different parts of the population will be related to each group of diseases.

Reading List

See separate document.

Examination

Assessment is based on a written exam, and in groups through seminars. Submissions for assessment must clearly indicate individual contributions.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades Pass with Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.