



Faculty of Health, Science and Technology
Oral Health

Syllabus

Oral and General Health - Theory and Clinical Studies II

Course Code:	OHG012
Course Title:	Oral and General Health - Theory and Clinical Studies II <i>Oral hälsa och allmänhälsa - teori och kliniska studier II</i>
Credits:	22.5
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has at least 60 credits in first-cycle course/s as entry requirements (G2F)

Major Field of Study:
OHA (Oral Health)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2023-02-21, and is valid from the Autumn semester 2023 at Karlstad University.

Prerequisites

52.5 ECTS credits completed in the Programme in Dental Hygiene, and registered on the courses Health psychology and communication (7.5 ECTS credits) and Public Health and Oral Health Promotion (7.5 ECTS credits).

Learning Outcomes

Knowledge and understanding

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

- give an account of common diseases and their significance for oral health,
- give an account of pharmacological principles, both general and for specific medications,

their significance for oral health and the dental hygienist's choice of treatment,

- give an account of current laws and ordinances pertaining to pharmaceuticals and prescriptions in dentistry,
- give an account of principles for anesthesia and its use in the field of dental hygiene,
- give an in-depth account of the evidence-based etiology, pathogenesis, diagnostics, risk assessment, prevention and treatment of caries, periodontal, and peri-implant diseases,
- give an account of the functional anatomy and disorders of the temporomandibular system and of the influence of internal and external factors on changes in dental hard tissue,
- give an account of intraoral, extraoral, and radiological anomalies in hard and soft tissue beyond the area of competence of the dental hygienist, and
- briefly explain traumatology of the head and neck, endodontology, and prosthetic constructions and principles of treatment.

Competence and skills

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

- use health declarations and anamnesis to analyse choices of examination and treatment,
- apply intraoral X-ray imaging when indicated, interpret and assess the existence and extent of caries, periodontal, and peri-implant changes,
- carry out oral examination of adult risk/high risk patients through collecting data and diagnosing caries, periodontal, and peri-implant disease, plan therapy based on evidence and proven experience,
- apply extraoral and intraoral examination and clinical/functional examination of the temporomandibular system,
- identify and document intraoral, extraoral, and radiological anomalies in hard and soft tissue beyond the area of competence of the dental hygienist for further odontological/medical assessment,
- register prosthetic constructions and implants,
- select suitable anaesthetic agents and dosages and perform local anaesthesia within the area of competence of the dental hygienist,
- use ergonomic work methods, and
- apply CPR.

Judgement and approach

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

- reflect upon an ethical and professional approach to patients, next-of-kind, and other members of staff,
- reflect upon the difference between experience-based and evidence-based methods of treatment, and
- identify their own need of further knowledge and continual updating of competencies.

Content

- Pathophysiology
- Pharmacology and prescriptions
- Local anesthesia
- Etiology and pathogenesis of caries, periodontal and peri-implant diseases
- Nutrition
- Dental anomalies
- Odontological radiology
- Stomatognathic physiology
- Traumatology
- Endodontology
- Dental materials, prosthetics, and implants
- Clinical practice

- Instrumentation, special instruments
- Orofacial medicine
- Clinical imaging
- National dentistry guidelines
- Ergonomics

Reading List

See separate document.

Examination

Assessment is based on:

- individual written take-home exams
- individual written exams
- clinical examinations
- written hand-in assignments
- a seminar
- an individual report

The number of assessment opportunities is limited to five.

A grade of Pass also requires mandatory attendance and participation in methodological exercises and seminars at a clinical education centre and the placement clinic, and for these components the number of assessment opportunities is limited to two course instances.

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 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.

The clinical placement may incur extra travel and accommodation costs for the student.

Students have to receive and pay for any and all vaccines required for clinical work.

A student who, in the examiner's judgement, will fail to obtain a Pass grade for the practical training component on the grounds of grave and unprofessional conduct may be required to immediately

discontinue the placement. As stipulated in the Higher Education Act Ch. 4, sect. 6, SFS 1992: 1434, and Regulations of Student Expulsion from Higher Education SFS 2007: 989, a student who suffers from mental disorder, abuses alcohol or drugs, or has been guilty of a serious offence endangering others or valuable property can be expelled until further notice. In such a case, the Rector files a complaint to the Expulsion Board of Higher Education, which investigates the matter and makes a decision. A decision of expulsion shall always entail that the student must discontinue the education until further notice. The Expulsion Board of Higher Education is responsible for all Swedish higher education institutions.