Course syllabus for

**Clinical Odontology 2, 21 credits**
Klinisk odontologi 2, 21 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

Please note that the course syllabus is available in the following versions:
Autumn2008, Spring2009

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<th>TLG012</th>
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<td>Clinical Odontology 2</td>
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<tr>
<td>Credits</td>
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<td>Form of Education</td>
<td>Higher Education, study regulation 2007</td>
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<td>Main field of study</td>
<td>Odontology</td>
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<td>Level</td>
<td>G2 - First cycle 2</td>
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<td>Grading scale</td>
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<td>Department</td>
<td>Department of Dental Medicine</td>
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<td>Decided by</td>
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**Specific entry requirements**

According to the established programme syllabus.

**Objectives**

The course contains six parts.

**Part 1**
Periodontology 2: 5.2 HE credits
After the course, the student should
• be able to evaluate the own depuration treatment
• have knowledge of the importance of occlusal status to the periodontal tissue
• be able to account for periodontal healing
• be able to account for the impact of system diseases and risk factors on periodontal diseases in prognosis
• be familiar with instruments and their use in periodontal surgery and under supervision be able to carry out flap surgery
• be able to carry out suturing
• be able to choose and administrate preparations for antibiotic prophylaxis in periodontal treatment

Part 2:
Cariology 2: 5.7 HE credits
After the course, the student should
• be able to investigate causal factors of the caries disease, formulate and evaluate individual prevention programs and, when necessary, plan appropriate restorative treatment
• be able to diagnose caries activity and caries risk, and assess caries prognosis
• have an understanding of the dynamics of the caries process in caries progression and have knowledge of the microbiology of the caries process
• be able to inform patients about prophylaxis against caries
• be able to plan appropriate treatment based on the clinical manifestations of the caries attack
• under supervision be able to excavate caries, prepare cavities and carry out fillings in plastic filling materials in a patient and be able to assess the quality of the fillings
• be able to summarise the cariologic treatment in an epicrisis

Part 3:
Endodontics 1: 4.3 HE credits
After the course, the student should
• have basic knowledge in topographical anatomy of the pulp cavity
• independently be able to examine a patient and under supervision be able to diagnose pathological conditions in pulp and periradicular tissue
• have knowledge of the prevention of irreversible pulp damage in encroachment in the calcified tissues of the tooth
• know the basic principles of and be able to carry out cavum and canal preparation and obturation in artificial or extracted teeth
• have endodontic specific knowledge of, administrative measures, instruments, materials and their use, and hygiene and other routines
• under supervision be able to carry out a clinical treatment according to the principles of pulp ectomy and restorative endodontic treatment
• independently be able to verify his/her treatment with X-ray images
• independently know the techniques to be able to take bacterial samples from the root canal
• under supervision be able to carry out post preparation in an obturated tooth

Part 4:
Clinical Oral Physiology 1: 0.5 HE credit
After the course, the student
• should have general knowledge of temporomandibular dysfunction (TMD)
• independently be able to make a simple examination of the jaws including occlusion analysis
• have knowledge of treatment with a flat occlusal splint, and motion therapy
• be able to take alginate impressions of the teeth of the maxilla and lower jaw

Part 5:
Preclinical Prosthodontics 1, Prosthetic Principles of Tooth Preparations: 4.3 HE credits
After the course, the student should
• be able to explain basic nomenclature and contents of the subject Oral prosthodontics
• know and be able to carry out basic preparation types and know their indications
• be able to take impressions of a preparation and knock out plaster models
• be able to produce temporary crowns and bridges
• be able to assess and, when necessary, adjust the fit of a casted construction

Part 6:
Integrated comprehensive dentistry 2: 1.0 HE credits
After the course, the student should
- demonstrate good assessment and, in good communication, take good care of assigned patients
- show some clinical maturity in one's patient care and clinical work, i.e.:
  * possessing knowledge and skills to treat patients without causing injury or risk of injury in connection with examination or treatment
  * possess the judgement of not risking the patient's safety due to self-indulgent action or refusal to follow hygiene or safety precautions
  * adopt such an approach that the patient or the relatives do not feel threatened or offended
- be able to give patient information concerning oral health and dental primary prevention.
- be able to give disease-oriented patient information concerning oral diseases, caries and periodontitis
- be able to present on-going and planned treatment of one's own patients.

### Content

#### Part 1:
**Periodontology 2: 5.2 HE credits**
Lectures comprise clinical manifestations, medical and other risk factors, wound healing, and periodontal surgery. Compulsory practical exercises in demonstration and seminar form. Examination and treatments parts are practiced in a pig's jaw and, after that, in a patient under teacher supervision. These exercises are compulsory.

#### Part 2:
**Cariology 2: 5.7 HE credits**
The lectures comprise the microbiology of the caries process, calcified tissue reactions and principles of tooth-coloured filling materials. Interdisciplinary compulsory therapy seminars are carried out based on own patient cases. Clinical exercises in moisture control techniques are compulsory as well as clinical demonstrations in filling techniques.

#### Part 3:
**Endodontics 1: 4.3 HE credits**
The lectures comprise examination techniques and diagnosis of pulpal and periradicular diseases, pulp and root anatomy, preparation of cavum, shaping and cleaning of root canal and obturation. Diagnostics is exercised under teacher supervision. Endodontic techniques are exercised in the pre-clinical part through own work on artificial or extracted teeth, teachers supervise. Patient demonstrations concerning endodontic treatment.

#### Part 4:
**Clinical Oral Physiology 1: 0.5 HE credit**
Knowledge of TMD and treatment with occlusal splint and motion therapy are provided in lectures. Skills in examination methodology and occlusion analysis, and impressioning with alginate are practiced clinically in compulsory fellow student exercises.

#### Part 5:
**Preclinical Prosthodontics 1, Prosthetic Principles of Tooth Preparations: 4.3 HE credits**
Theoretical knowledge of preparation for the crown and bridge-prosthetic constructions be taught in lectures and seminars. Practical implementation and manual implementation are taught at demonstrations and are trained in both teacher-supervised and independent practical preparation work using a phantom patient.

#### Part 6:
**Integrated comprehensive dentistry, 2: 1.0 HE credits**
- Presentation of patient care work
- Clinical proficiency training in the adults clinic
Periodontology, 5.2 hp
Grading scale : GU

Cariology 2, 5.7 hp
Grading scale : GU

Endodontics 1, 4.3 hp
Grading scale : GU

Clinical Oral Physiology 1, 0.5 hp
Grading scale : GU

Prosthetics principles of Tooth Preparation, 4.3 hp
Grading scale : GU

Integrated comprehensive dentistry 2, 1.0 hp
Grading scale : GU

Teaching methods

Part 1:
Periodontology 2: 5.2 HE credits
Lectures and practical exercises in demonstration and seminar form. Compulsory own clinical work with a patient is carried out under teacher supervision. Examination and treatments parts are practiced in a pig's jaw and, after that, in a patient under teacher supervision.

Part 2:
Cariology 2: 5.7 HE credits
Lectures, interdisciplinary therapy seminars, clinical exercises and demonstrations. Compulsory own clinical work with a patient is carried out under teacher supervision.
Part 3:
Endodontics 1: 4.3 HE credits
Lectures, demonstrations, exercises using a phantom model and clinical patient demonstrations are compulsory. IT-based study materials are to obtain.

Part 4:
Clinical Oral Physiology 1: 0.5 HE credit
Lectures and compulsory clinical exercises.

Part 5:
Preclinical Prosthodontics 1, Prosthetic Principles of Tooth Preparations: 4.3 HE credits
Lectures, demonstrations, practical work and group assignments are compulsory. IT-based study materials are to obtain.

Part 6:
Integrated comprehensive dentistry, 2: 1.0 HE credits
- Presentation of patient care work
- Clinical proficiency training in the adults clinic

Examination

Part 1:
Periodontology 2: 5.2 HE credits
Attendance is required at compulsory parts of the course, see above. Missed examinations should be compensated by a make-up assignment from the course provider.
Depuration examination. Oral presentation of periodontal patient cases. Examination takes place through written examination, OSCE (Objective Structured Clinical Examination) term 9 and oral and written reporting of implemented patient treatments in clinical examination.

Part 2:
Cariology 2: 5.7 HE credits
Attendance is required at compulsory parts of the course, see above. Missed examinations should be compensated by a make-up assignment from the course provider.
Examination takes place through written examination in term 6, and in OSCE (Objective Structured Clinical Examination) in term 9, and oral and written reporting of implemented patient treatments in clinical examination.

Part 3:
Endodontics 1: 4.3 HE credits
Attendance is required at compulsory parts of the course, see above. Missed examinations should be compensated by a make-up assignment from the course provider.
Practical test and a written examination should be approved, before endodontic treatment in the adults clinic may be started. Examination is also arranged through OSCE (Objective Structured Clinical Examination) in term 9.

Part 4:
Clinical Oral Physiology 1: 0.5 HE credit
This part is examined in semester 6, and at OSCE (Objective Structured Clinical Examination) term 9.

Part 5:
Preclinical Prosthodontics 1, Prosthetic Principles of Tooth Preparations: 4.3 HE credits
The examination consists of:
Joint oral half-time examinations. Self-assessment of (not previously teacher-assessed) work.
Teacher assessment of the self-assessment and the work itself.
Written Examination takes place in term 6, and in OSCE (Objective Structured Clinical Examination) in term 9. Attendance is required at compulsory parts of the course, see above. Missed examinations should be compensated by a make-up assignment from the course provider.

Part 6:
Integrated comprehensive dentistry, 2: 1.0 HE credits
Examination takes place through oral and written reporting of completed patient treatments in so called clinical examination and in OSCE (Objective Structured Clinical Examination) in term 9.

Limited number of examinations or practical training sessions:
If the student's examination has not passed, the student gets 2 more examination opportunities. After that, the student is recommended to retake the course and is given 3 more examination opportunities. If the student has not passed after 6 trials, he/she has no more admission to the course. (HF chapter 6, section 11 a).

Interrupt the clinical proficiency training
The examiner may with immediate effect interrupt a student's clinical proficiency training if the student demonstrates such serious deficiencies in knowledge, skills or attitudes that patient safety or patient confidence in healthcare is at risk. When the clinical proficiency training is interrupted like this, it implies that the student fails in the clinical part of the course.
In such cases, an individual action plan should be set up, where it comes clear which activities and examinations are required before the student is given the possibility to clinical proficiency training in this course.

Eligibility
Students who have failed the clinical proficiency training as a consequence of demonstrating deficiencies in knowledge, skills or attitudes so serious that patient safety or patient confidence in healthcare is at risk are qualified for resuming the clinical proficiency training only when the individual action plan has been completed.

Transitional provisions
If the course is closed down or undergoes major changes, examination under a previous literature list and learning outcomes will be offered no more than one academic year after the implementation of the revision/close-down.

The course has been cancelled and was offered for the last time in the spring semester of 2009. Examination will be provided until the autumn of 2017 for students who have not completed the course.

Other directives
Cross-programme parts:
• Part 6 is cross-programme between the Study Programmes in Dentistry and in Dental Technology.

Course evaluation is carried out according to the guidelines established by the Board of education.

Literature and other teaching aids
There is no literature specified for this course. Please contact the department for more information.