Course Specifications
Valid as from the academic year 2020-2021

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course
Restorative Dentistry II (D012645)

Course size
(nominal values; actual values may depend on programme)
Credits  6.0   Study time  150 h   Contact hrs  45.0 h

Course offerings and teaching methods in academic year 2020-2021
A (semester 2)  Dutch  Gent  lecture  45.0 h

Lecturers in academic year 2020-2021
De Coster, Peter   GE36  lecturer-in-charge
Bottenberg, Peter  GE36  co-lecturer
De Bruyn, Hugo    GE36  co-lecturer
Vandeweghe, Stefan GE36  co-lecturer

Offered in the following programmes in  2020-2021
Bachelor of Science in Dentistry  crdts offering
6  A
Preparatory Programme Master of Science in Dentistry (foreign students)
6  A

Teaching languages
Dutch

Keywords
Indirect restaurations, crowns, bridges, inlays, onlays, facings, oral implants, esthetics, casting alloys, embedding materials, ceramics, porcelain, composites, adhesion, titanium, cement, impression materials and techniques, CAD-CAM technology.

Position of the course
This is a basic course aiming at offering the student an overview of all standard procedures for the execution of both simple and complex preparations and consequent fabrication of indirect restaurations consisting of cast alloys, porcelain fused to metal, or ceramic materials, on either or both natural teeth and oral implants. The student is also thought on the interrelations between the composition, characteristics, and the processing of specific materials and related technologies implicated in the fabrication of indirect restaurations and bridges. The student should have a knowledge on preoperative diagnostics in order to delineate correct indications and to formulate consequent treatment strategies for indirect restaurations. The student has to gain insight into the process of assessing preparatory treatment needs. The student should be able to critically appraise the indications and restrictions of the use of oral implants in partially edentulous conditions. The student is encouraged to explore the principles and procedures of the fabrication of indirect restaurations. Finally, the student is instructed on a rational basis in the technical implementation of these principles into the fabrication of these restaurations.

Contents
Part I comprises a number of theoretical and clinical considerations on indications, preparatory treatment, types, and both clinical and technical procedures of indirect restaurations and bridges:
1. Objectives of indirect restaurations
2. Examination, diagnostics, and indications
3. Preparatory treatment phase
4. Clinical procedures
5. Principles of preparation
6. Partial-coverage indirect restaurations
7. Full-coverage crowns

(Approved)
8. Bridges
9. Impression taking
10. Bite registration
11. Laboratory phase
12. Try-in and installment of restorations
13. Strategies for the mutilated dentition
14. Biological implications
15. Complications

Part 2 comprises a number of theoretical considerations on treatment strategies for the mutilated dentition, based on restorative aspects.

Part 3 includes treatment strategies based on periodontal considerations.

Part 4 focuses on the composition, properties and processing of specific dental materials for indirect restorations.

Part 5 explores the techniques and procedures for implant-supported restorations.

Initial competences
Having successfully completed the following courses:
Cel I, Cel II, Cel III, Cel IV, Infectie en afweer, Gebitsontwikkeling, Klinische vaardigheden I, Handvaardigheid I, Maatschappelijke tandheelkunde I, Ontwikkelingsbiologie, Bouw en functie I, Bouw en functie II, Tandheelkundige materiaalwetenschappen, Orale infectie I, Orale infectie II, Maatschappelijke tandheelkunde II

Final competences
1. The student has a thorough knowledge on indications, clinical procedures, techniques, fabrication, and aftercare of indirect restorations on both natural teeth and oral implants.
2. The student has a thorough knowledge regarding dental materials used for the fabrication of indirect restorations.
3. The student understands the relationship between composition, structure and processing of dental materials used for the fabrication of indirect restorations and the interrelations with clinical relevant properties.
4. The student is able to highlight and explain the important properties of materials suitable for the fabrication of indirect restorations.

Conditions for credit contract
Access to this course unit via a credit contract is determined after successful competences assessment.

Conditions for exam contract
This course unit cannot be taken via an exam contract.

Teaching methods
Lecture

Learning materials and price
Indirecte tandheelkundige restauraties. Aut.: P. De Coster. Uitg.: Syllabus via Minerva.
Hand-outs colleges
Referentie artikels

References

Course content-related study coaching
After consultation with lecturer.

Evaluation methods
end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period

(Approved)
Written examination

Examination methods in case of periodic evaluation during the second examination period

Written examination

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Extra information on the examination methods

Examination prof. De Coster: written exam supplemented with oral exam. Other lecturers: written exam.

Calculation of the examination mark

The final mark is the sum of the scores obtained for the different parts.
The maximum scores for these parts are:
Part 1 - theoretical and clinical considerations: 50/100
Part 2 - Dental materials: 25/100
Part 3 - Strategies based on perio: 15/100
Part 4 - Strategies based on resto: 10/100
Part 5 - Implant-supported restorations: 10/100.
The final mark will be reduced to a maximum of 20.