Course Specifications
Valid as from the academic year 2019-2020

Prosthetic Dentistry III (D011981)

Lecturers in academic year 2019-2020
Van Zeghbroeck, Lieve GE36 lecturer-in-charge

Offered in the following programmes in 2019-2020
Master of Science in Dentistry

Credits 4.0
Study time 120 h
Contact hrs 30.0 h

Course offerings and teaching methods in academic year 2019-2020
A (semester 1) Dutch lecture: response lecture

Contact hrs
Study time 120 h

Teaching languages
Dutch

Keywords
removable partial dentures, mutilated dentition, oral rehabilitation, frameprosthesis, mucosal, periodontal and bone-anchored suprastructures.

Position of the course
The student must have an in-depth knowledge of the changes and anomalies in the stomatognatic system in partially mutilated dentitions and its interaction with a removable partial denture.
The student acquires knowledge in the term "mutilated dentition" in all its aspects and its need for treatment.
The student must have knowledge in the rehabilitation of simple and complicated mutilated dentitions with a removable partial denture.

Contents
• Introduction mutilated dentition; classification of partially edentulous arches and mutilation patterns
• Interaction between removable partial dentures and the stomatognatic system. Treatment philosophy/latrogenic damage/Need for treatment
• Complex versus simple mutilations
• Standard treatment modalities
• Interim prosthesis - frame prosthesis - Hybrid prosthesis - overdentures
• Analysis of function of frame prosthesis : rigid versus resilient
• Principles of design of removable partial dentures
• Biomechanics and fulcrum axes
• Clasps and stressbreakers
• Postretainers/overdentures
• Precision and semi-precision retainers
• Retainers
• Diagnosis and treatment planning
• Clinical procedures
• Laboratory procedures
• Adjustment - recall - servicing - repairs - additions towards removable partial denture
• Treatment of development disorders
• Removable partial dentures and implants
• Casuistics

Initial competences
Having achieved the competences of a bachelor in dentistry or its equivalent.

(Approved)
Final competences

1. The student is expected to show proficiency in the changes and malformations of the oral cavity for partially edentulous patients and the interaction with a removable partial denture.

2. The student has to show good knowledge of the different treatment modalities of complex mutilations and maxillofacial mutilations and of the treatment of partial edentulous patients with a removable partial denture.

3. The student obtains practical skills in order to be able to perform correct diagnosis, central dispatching (coordination and treatment planning of a complex mutilation towards a simple mutilation) and reconstruction of function, esthetics and mandibular stability of a simple partially edentulous mutilation.

4. Be able to design, recognize and fabricate a clinical acceptable removable partial denture. Be able to avoid/reduce biological and mechanical trauma in combination with a removable partial denture.

5. The student is able to evaluate the existing materials and techniques on their applicability for every clinical situation and is able to evaluate new tools following the same protocol.

6. Be able to recognize the distribution of forces in the partial edentulous dentition. The student is able to evaluate the different treatment possibilities for the partially edentulous patient with following parameters in mind: prognosis of the treatment based of evidence, dental and medical background of the patient and his/her expectations.

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: response lecture

Learning materials and price

Manual: "De partiële gebitsprothese". L. Van Zeghbroeck, 2018. 28 Euro
Hand-outs op Minerva

References


Course content-related study coaching

After each course

Evaluation methods

end-of-term evaluation

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

Written examination, oral examination

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

Written examination, oral examination

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Calculation of the examination mark

Test consists out of 2 parts:
Part 1: Test of Knowledge 40%
Part 2: Integrated exercise 60%
If the student fails for part 2, he/she can not pass this course.

(Approved)