

## REQUIREMENT SYSTEM

**SEMMELEWEIS UNIVERSITY**

**FACULTY OF DENTISTRY Department of Conservative Dentistry**

**Name of subject: CONSERVATIVE DENTISTRY AND ENDODONTICS, PRE-CLINICAL I-II**

**Type of subject:** compulsory/obligatory elective/elective (proper one should be underlined)

**code:** FOKKFK183\_1A, FOKKFK183\_2A

**credit value:** cons prop I.: 4, cons prop. II.: 4

**Lecturer of subject:** Dr. Tóth Zsuzsanna associate professor

**Year: 2018/2019**

**The role of this subject:**

This subject serves the foundation of clinical teaching of conservative dentistry. The goal is to acquire a level of theoretical and practical knowledge that can be used to treat live patients.

**Detailed weekly curriculum:**

This subject includes one theory a week and three hours of practice a week in the first two semesters.

**CONSERVATIVE DENTISTRY AND ENDODONTICS, PRE-CLINICAL I.**

**Lectures**

- 1. Introduction to conservative dentistry**
- 2. Anatomy of the teeth and the pulp**
- 3. Dental caries**
- 4. Therapy of dental caries. Black-rules.**
- 5. Instruments of tooth preparation (enamel, dentin and carious dentin)**
- 6. Isolation for different filling techniques**
- 7. Matrix systems and their use**
- 8. Dental amalgam. Preparation for amalgam restorations.**
- 9. Principles of cavity preparation when making direct esthetic restorations**
- 10. Demonstration (Midterm)**
- 11. Adhesive technique**
- 12. Composite fillings in the posterior region**
- 13. Composite fillings in the anterior region**
- 14. Temporary filling materials**

**Manual training (3 hours per week)**

Introduction to practice: general

Department's policy. Rules of the house.

Distribution of instruments.

Handing over of instruments.

Discussion of drilling methods

Drilling practice I.

Drilling practice II.

Drilling practice III. Practical exam

Grinding of extracted carious

human teeth

Black's class I. and V. cavity

preparation for plastic restoration.  
Preparation of class II. Cavities (I.)  
Preparation of class II. cavities. (II.)  
Preparation of class III. and IV. cavities  
Cavity preparation by modified Black's principles. Practical exam  
Class I. and V. cavity preparation for inlay  
Class II. cavity preparation for metal inlay  
Class II. inlay cavity preparation.  
Practical exam, Complete of the works.

## **CONSERVATIVE DENTISTRY AND ENDODONTICS, PRECLINICAL II.**

### **Lectures**

1. Indirect restorations (inlay, onlay),
2. Tooth preparation for cast metal restorations. Cementation of cast metal restorations.
3. Tooth-coloured indirect restorations. (Ceramic, composite). Differences in preparation and cementation. Different luting materials.
4. Pathosis in consequence of caries. Pathology and therapy of the pulp.
5. Pathosis in consequence of caries. Pathology and therapy of the periapical region.
6. Indications, contraindications of endodontic therapy, urgency.
7. Trepanation, extirpation. Instruments of root canal treatment
8. Preoperative-working length determination (needle-control) and control x-ray. Using of electronic apex-locators.
9. Cleaning and shaping, chemical adjuncts, medication.

### **10. Midterm**

11. Sealing of root canals. Lateral condensation. The problems of control x-ray.
12. Functional and esthetic restoration of root canal treated teeth.
13. Patient assessment and treatment plan.
14. Equipments of the dentist's office, orders of the clinical practical courses..

### ***Practices/Manual training***

(3 hours/week )

Cavity preparation from mirror view ( indirect method )

Pulp protection, plastic restorations.

Finishing and polishing of amalgam restorations

Class III., IV., V. restorations.

Cavity preparation in extracted teeth.

Esthetic restoration in extracted teeth.

Direct filling restorations. Practical exam.

Access cavity preparation.

Working length determination

Cleaning and shaping of root canal I.

Cleaning and shaping of root canal II.

Obturation of root canal I.

Obturation of root canal II.

Completion of the root canal filling

Reconstruction of root canal treated teeth

**Requirements of participation and possibilities of absence remedy:**

Participation at lecture and practice is compulsory.  
More than 25% absence is not accepted under any circumstance neither from practice, nor from lecture.  
We cannot ensure a date to remedy absence.

**Verifying absence from clinical practice or examination:**

More than 25% absence is not accepted under any circumstance, therefore verifying your absence is unnecessary.

Being absent from examination the Examination and Studies Regulations apply.

**The number, topic and time of examinations during the semester (oral and written) and their retake:**

There are one midterm exams during the semester. It is a condition of a signature at the end of the semester to pass midterm exam by minimum satisfactory (2) average. The time and topic of the midterm exams and their retake are made known to students at the beginning of the semester. Work done at practice is controlled and valued by practice teacher. Students during the semester write at least five „small tests” to give proof of their theoretical knowledge.

**Requirements needed for signature at the end of the semester (including number and type of work done by student):**

More than 25% absence is not accepted under any circumstance neither from practice, nor from lecture.

Fulfilling conditions for the midterm exams, minimum satisfactory (2) grade given by the practice teacher.

**Method of granting grade:**

**Final examination (V. semester):** Students choose one-one question from the two topic groups They receive a tooth.

Receiving an unsatisfactory (1) on any part of the examination means failure.

**Practice grade** consists of midterms, „small tests”, and evaluation of work and knowledge presented at clinical practice..

**Type of examination:** Final examination, theoretical and practical conservative dentistry.

**Sign up for examination:** in the Neptun-system.

**Modifying sign up for examination:** in the Neptun-system according to actual university and faculty guidelines.

**Verifying absence from examination:** Being absent from examination the Examination and Studies Regulations apply.

**LIST OF TEXTBOOKS**

Sturdevant's Art And Science Of Operative Dentistry. Fifth edition Edited by T. Roberson, H. Heymann and E. Swift. Mosby, St Louis, 2006

ISBN 978-0-323-03009-0

Walton RE, Torabinejad M ed.: Principles and Practice of Endodontics.

W.B. Saunders Co. Philadelphia 2002

A.Newbrun: Cariology Quintessence. ISBN 0867152052