

## REQUIREMENTS

Name of the educational department:

**Semmelweis University Faculty of Dentistry Department of Prosthodontics**

Name of the course: **Basic Restorative Digital Dentistry**

Type of the course: **Optional**

creditcode: **FOSVFPK214\_1M**

creditpoints: **1**

Lecturer of the course:

**Dr. Judit Borbély Associate Professor**

**Contact:**

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Opening hours of the Secretariat:

Monday: 8:00 – 12:00

Tuesday: 8:00 – 12:00

Wednesday: 8:00 – 12:00

Thursday: 8:00 – 12:00

Friday: Closed

Students are welcomed only in the office hours. Please be aware of it!

**Academic year:** 2018/2019/II.

**The goals of the course in point of view of the education:**

Special optional course for training and teaching Hungarian, English and German program students to have basic knowledge of restorative digital dentistry. Students can meet digital solutions in dentistry, can learn basic knowledge of chairside and lab CAD/CAM systems, CAD/CAM material, milling machine, stain and glaze method. After the course student will possess basic knowledge of restorative digital dentistry which will be useful at domestic and international use. All information from digital dental topics are essential in modern everyday dentistry and up to date modern university curriculum.

**Topic of the lectures (weekly, numbered):**

**Lectures**

1. Introduction of Io scanners- in vitro scan
2. Direct and indirect CAD/CAM workflow
3. Intraoral scanning systems with lab connection
4. Full contour and framework design and materials
5. Digital communication between the dentist and the lab, layering and staining, virtual articulators
6. Layer technologies- 3D prototyping-
7. Prosthodontic planning for navigated implant surgery
- 8-9. Dental system Lab CAD
- 10-11. Dental designer chairside CAD
- 12-13. Implant studio
14. Test

**Attendance on practices and lectures, replacement in case of missed sessions:**

Students must attend the lectures.

No more than 25% of the lecture sessions are allowed to be missed for any reason – not even with a doctor's note – otherwise the semester will not be accepted.

Students must arrive for the lectures on time, otherwise they will disturb the lecturer and the audience. Before the sessions the lecturers of the Clinic will check the attendance and the accurate arrival of the students. It is considered an ethical misdemeanor to fake one's identity or to certify someone else's presence and doing so will result in an immediate ethical and disciplinary proceeding.

**Consequences of absence from sessions and exams:**

Doctor's notes can only be accepted after an individual evaluation. The medical notes will be sent back to the supervisory section of the issuing medical institutions for verification.

Extra lectures may not be provided for missed sessions.

**Topics dates and number of midterms (oral reports, written tests), possibilities to replace and repeat them:**

No monitoring during the semester.

**Requirements of an accepted semester (signature of the lecturer), numbers and types of tasks for students:**

Students must attend a minimum of 75% of the lectures.

**Grading of courses:**

- 1: - 50%
- 2: 51% - 63%
- 3: 64% - 76%
- 4: 77% - 89%
- 5: 90% - 100%

**In case of unsatisfactory final grade (1), the semester will not be accepted.**

**Type of the exam:** semifinal**Requirements of the exam:**

Final test exam (1 semester): Requirement is the whole material of the semester. Compulsory written test is carried at the end of semester, satisfactory grades can be given in case of a result of 61% or above. Written test is carried out on last lecture of semester.

**Exam registration:**

In case of first, failed and "no show" exam, the exam application must be done in the Neptun -system. In case of retake exam the students have to apply in the Neptun-system for the "retake exam". In case of first, failed and passed exam, students mustn't apply for the retake exam. There is no possibility to change the type of the exams.

**Rules for the modification of the exam registration:**

Case of no show is judged according to current rules and guidelines of the Educational and Examinational Rules of Semmelweis University.

**List of textbooks, lecture notes and recommended textbooks:****Lecture notes****Recommended textbooks:**

DDS, MS, PhD Radi Masri, DMD Carl F. Driscoll (szerk.): Clinical Applications of Digital Dental Technology (2015 John Wiley & Sons Inc, Print ISBN:9781118655795 |Online ISBN:9781119045564)

Alessandro Agnini, Andrea Agnini, Christian Coachman (szerk.): Digital Dental Revolution – The

Learning Curve (Quintessence Publishing, Italy, 2015, ISBN 978-88-7492-017-4)

**Other study aids:**

website of Semmelweis University

topic of the lectures