

REQUIREMENTS

Semmelweis University Faculty of Dentistry Department of Prosthodontics
Name of the course: General Dental Materials Credit value: 1 Lessons (in hours): lectures: 1 * 45 min practicals: - seminars: - Type of the course: <u>compulsory</u> Frequency of announcement (per semester or year): year
Academic year: 2020/2021. II. semester
Subject code¹: FOKOFFPK017_1A
Lecturer of the course: Semmelweis University Faculty of Dentistry Department of Prosthodontics Dr. Judit Borbély, Associate Professor Contact: borbely.judit@dent.semmelweis-univ.hu 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!
The goals of the course in point of view of the education: General Dental Materials introduces those materials employed in prosthodontics, in dental technology and in restorative dentistry. The origin, the chemical structure, the physical properties of the dental materials and their biological effects onto the living tissues are discussed in the lectures, furthermore the history and the methodology of the use of these materials are evaluated.
Location of the course (address of lecture hall, seminar room etc.): Dr. Balogh Károly & Dr. Varga István classroom (1088 Budapest, Szentkirályi street 47. 1st floor)
Competences acquired by completion of the course: Understanding the chemical composition and physicochemical properties of materials based on the subject “Physical Bases of dental materials science”.
Pre-study requirements and prerequisites of course registration and completion: Macroscopic anatomy I., Physical Bases of Dental Materials
Number of students required for announcement of course (min., max.): In accordance with the number of 1 st year students.
Method of course registration: Neptun system

Detailed course/lecture description²: *(to facilitate credit recognition in other institutions)*

1. History of dental education
2. Impression materials I.
3. Impression materials II.
4. Casts, models and dies
5. Metals, technologies
6. Investment materials, flasking methods
7. Precious alloys, non precious alloys
8. Dental resins
9. Dental ceramics
10. Dental cad/cam technology
11. Implant materials
12. Restorative materials
13. Luting materials
14. Tooth whitening materials

Courses (*obligatory and elective*) which in part or entirely overlap the topics of above course:

Odontotechnology and Prosthodontics Preclinical Course I – III.

Prosthodontics I – V.

Clinical Dentistry I – II.

Special academic work required for completion of the course³: -

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

Students must arrive for the lectures on time, otherwise they will disturb the lecturer and the audience. Extra lectures may not be provided for missed sessions.

Consequences of absence from sessions and exams:

Extra lectures may not be provided for missed sessions.

In case of absence from the exam the rules of the Studies and Examination Regulation (TVSZ) are applied.

Method of checking acquired knowledge during the study period⁴:

No monitoring during the semester.

Requirements of an accepted semester (*signature of the lecturer*):

Semi – final examination

Type of the exam:

Semi – final examination

Requirements of the exam⁵:

Semi final exam on the topics of the semester.

- Oral exam with theoretical questions.

Grading of courses⁶:

Oral Semi- final examination based on theoretical questions (1-5 grades).

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 the students mustn't apply for the retake exam. There is no possibility to change the type of the exams.

Rules of repeating exams:

According to Neptun – system and university rules.

List of textbooks, lecture notes and recommended textbooks:

Textbooks:

Wilson, Mansfield, Heath, Spence: Dental Technology and Materials for Students. Blackwell Scientific Publications. ISBN 0632017635

Powers, Wataha: Dental Materials Properties and Manipulation. Mosby ISBN 9780323078368

Lecture notes

Recommended textbooks:

Other study aids:

website of Semmelweis University

topic of the lectures

Signature of course lecturer:

Signature of head of department:

Date of submission: February 15, 2021

Opinion of OKB:

Notes from the Dean's Office:

Signature of Dean:



¹ Filled out by the Dean's Office following approval

² Detailed and numbered for each week of theoretical and practical lessons one by one, indicating the names of lecturers and instructors

³ Eg. field practice, medical chart analysis, survey conducting, etc.

⁴ Eg. homework, report, midterm exam etc. Topics, dates, method of retake and replacement.

⁵ List of topics in case of theoretical exam, thematic and method in case of practical exam.

⁶ Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.