

# Course description

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## Basic information

Title: Occlusion

Code: 184092

Total ECTS points: 4.5

Hours: 45 (15 - lectures, 30 – preclinical practicals)

Department: Department of Removable Prosthodontics

Course leader: Prof. Iva Alajbeg

## Course leader and associates

Prof. Iva Alajbeg

Prof. Dubravka Knezović Zlatarić

Assoc. prof. Robert Ćelić

Prof. Sonja Kraljević Šimunković

Assoc. prof. Nikša Dulčić

Assist prof. Davor Illeš

Assist prof. Ivica Pelivan

Assist prof. Nikola Petričević

Assist prof. Maja Žagar

Assist prof. Sanja Peršić Kiršić

Assist prof. Samir Čimić

Ema Vrbanović, DMD

Ines Kovačić, DMD

## Course description

This course takes place in the fourth semester; the total number of hours is 45, including 15 lectures, and 30 preclinical practicals. Content of this course includes anatomy and function of the masticatory system, biomechanics of the temporomandibular joint and dental occlusion. Upon completion of this course students will be able to develop a knowledge of: masticatory system function, principles of dental occlusion, functional movements of the lower jaw and the role of the nervous system in correlation of function, as well as about factors that affect the form of occlusal morphology. During preclinical practicals, students will learn how to evaluate normal and functional healthy occlusion on dental casts in articulators, how to accurately model all the details of the occlusal surface of the tooth and to adjust the form and position of occlusal surface with the movements in articulator. Knowledge about basic concepts of occlusion will allow students to better understand other branches of dentistry, such as prosthodontics, restorative dentistry and orthodontics.

## Rules of grading and additional information

During the semester, two partial tests (quizzes) are offered to students by which they can get 10 points (5 each). Activity during pre-clinical practicals is required for final signature. Through the final written exam student can get 50 points. To pass the course, the student must have

a total of 37 points (which is 61%). After passing the written exam and satisfying the practical part, student is able to get the grade of the course.

## **Student obligations**

During the semester, students attend compulsory classes: lectures and preclinical practicals. The requirement for the final signature of the course and the possibility of attending the exam is prescribed by the Statute of the School of Dental Medicine.

## **Literature**

Required literature::

1. Okeson JP Management of Temporomandibular Disorders and Occlusion. Sixth Edition. St Louis: Mosby Elsevier; 2008

Recommended literature:

1. Ash Jr MM, Nelson SJ. Wheeler's Dental Anatomy, Physiology and Occlusion. 8th ed. New York: Elsevier Science; 2002.
2. Wassell R, Naru A, Steele J, Nohl F. Applied Occlusion. London: Quintessence Publishing Co Ltd.; 2008.

## **Exam terms**

In academic year 2020/1 exams will be held:

Summer exam term: (1) 16.6. - 24.6.2021.  
(2) 5.7. - 12.7.2021.

Autumn exam term: (1) 30.8. - 3.9.2021.  
(2) 13.9. - 17.09.2021.