



COURSE UNIT DESCRIPTION

Course unit title	Code
Oral surgery III/III	BCHI3215

Lecturer(s)	Department(s)
Coordinating: Asist. dr. Rūta Rastėnienė, Others: Assoc. prof. Linas Zaleckas teaching asist. Saulius Žukauskas, teaching asist. Ieva Gėndvilienė, assist. Dr. A.Rimkevičius	Centre of Oral and Maxillofacial Surgery Vilnius University Faculty of Medicine

Cycle	Level of the course unit	Type of the course unit
Full-time studies	3 from 3	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Auditorial , face-to-face	7 th semester	English

Prerequisites and corequisites	
Prerequisites: A student must have completed the following courses and passed examinations: human anatomy, physiology, human biology and genetics in dentistry, latin and professional language, introduction to dentistry, legal aspects and management of dental care, ethics, fundamentals of microbiology, the Ecosystem, fundamentals of anesthetics and reanimatology, first aid, fundamentals of anesthetics and reanimatology, first aid, basic neuroscience, oral surgery 6th semester materials and practice requirements.	Corequisites (if any): Fundamentals of diagnosis and treatment of dental and oral diseases, prosthetic dentistry.

Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
5	134	82	52

Purpose of the course unit Programme competences to be developed		
Purpose – to develop a professional attitude of dental specialty students, self-sufficiency, familiarisation and independence of dental students, to give skills and develop students ability timely and properly diagnose, treat and provide first aid help in the cases of maxillofacial trauma, to develop knowledge and competency in implant dentistry, bone augmentation and oral rehabilitation with implants, to train ability to communicate with patients irrespective of their social and cultural background, effectively present the treatment plan, procedures, alternatives and possible complications to the patients, to work in the multidisciplinary team, to continue to seek additional knowledge and skills throughout the careers.		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
Will acquire knowledge about stages of patient examination, diagnosis and rationale of treatment planning in patients with maxillofacial trauma, will know the principles of the first aid in the case of maxillofacial trauma, complications	Lectures, seminars in small groups.	The test consists of open-ended questions, clinical situation or definition. The test is carried out during the practice.
Will be able to communicate with patients and his family irrespective of their social and cultural background, to give comprehensive information about treatment and first aid process, possible complications and consequences depending on the character of trauma.	Analysis of clinical situations. Self-study Consultations	Questions and answers during discussion in groups Assessment of clinical tasks. Assessment of clinical case – patient's medical history.
Will acquire knowledge in the collaboration of multidisciplinary	Clinical work with patients,	Presentation/literature review

team, which ensure the first aid and diagnostics in the case of maxillofacial trauma and will be able to apply them in practice	practices in the hospital departments, work with simulators (suturing) Discussion in groups Searching of scientific information	is prepared on given topic							
Will be able to acquire and use information from libraries and other databases in the field of maxillofacial trauma and display the ability to use this information in a critical, scientific and effective manner.									
Will be able to obtain and record a complete medical and dental history of the patients; to examine the patients with maxillofacial trauma, to interpret the findings and to organize further examination in order to make differential diagnosis in the case of maxillofacial trauma; to create a treatment plan.									
Will be knowledgeable about stages of patient examination, indications and contraindications rationale of treatment planning in edentulous patients, mouth preparation for treatment with implants.									
Will be able to communicate with specialists of other specialisations in terms of diagnostics and treatment tasks of edentulous patients.									
Will have the ability to successfully complete the diagnosis, treatment planning of assigned clinical cases of totally and partially edentulous patients who require specific implant procedures.									
Will be knowledge with all steps of implantation, and bone augmentation procedures.									
Will be able to collect and analyse scientific literature about oral implants and bone grafting material and procedures and use this information for practical reasons.									
Will be able to recognise and to assess emergency conditions, will be able to take care in the cases of critical conditions and in the case of dental trauma.									
Will be able to: communicate with patients respectively and constructively, according to ethical and law standards; manage all medical documentation, to inform patients about diagnostic procedures and prognosis the treatment with implants, will be able to create a rational and safe treatment plan for totally and partially edentulous patients.									
Will be able to recognise and to take instruments for the wound suturing, to do simple interrupted sutures.									
Topics	Contact work hours							Time and tasks of self-study	
	Le ct ur es	Co ns ult ati on s	Se mi na rs	Pr act ice	La bo rat or y w or k	Pr act ica l tra ini ng	To tal co nt act ho ur s	Se lf- st ud y	Tasks
1. Introduction to maxillofacial trauma. Etiology and classification of maxillofacial injuries. Principles of wounds and bone fractures healing. Surgical sutures and their influence on the wound healing. Materials and instruments for wound	2			8			10	2	Duties in the room of emergence odontology or in the outpatient department Observation and assistances of surgical operations for patients with maxillofacial trauma, examinations of patients with maxillofacial trauma –obtaining of medical and dental history.

suturing.									observation of treatment
2. Facial soft tissues injuries.	2		1	9			12	4	Clinical cases, solutions and discussion in groups.
3. Mandible fractures and luxations of temporomandibular joints. Midfacial fractures (maxillary, nasoethmoid, orbital, zygoma and nasal fractures).	6			16			22	12	To prepare and to present clinical case of patient with maxillofacial trauma - obtaining and recording a complete medical and dental history of the patients; to examination of the maxillofacial condition of patients, interpretation of findings and x-ray; prescription of further investigations when necessary; diagnosis and differential diagnosis in the case of maxillofacial trauma; creation of treatment plan.
4. Thermal, chemical and electrical trauma in maxillofacial area. Peculiarities of facial bone fractures, soft tissues and dentoalveolar injuries in childhood.	2			6			8	6	Prepare presentation about first aid in the case of thermal and chemical trauma or the newest methods of treatment
5. Panfacial fractures and multiple traumas. Shock. Complications of facial traumas.	4			9			13	4	Clinical cases, solutions and discussion in groups.
6. Normal oral mucosa and its functions. Histological structure. Oral mucosal examination methods. Saliva enzymes and their significance. Individual areas of the oral mucosa and age-related features. Morphology of pathological changes in the oral mucosa.	2						2	2	
7. Primary and secondary rash elements of oral mucosal.	2						2	2	
8. Viral infections, acute and recurrent herpes gingivostomatitis. Herpangina. Bacterial infections (gonococcal stomatitis, syphilis).	2						2	4	
9. Fungal infections. Acute and chronic candidiasis of the oral mucosa, candidiasis of the corners of the lips.	2						2	2	
10. Lip diseases. Isolated and symptomatic cheilitis and lesions in systemic disease	2						2	4	
11. Tongue diseases. Rhombic, geographical, grooved and hairy tongue. Desquamative glossitis, "burning mouth syndrome".	2						2	2	

12. Autoimmune and mucosal diseases. Recurrent aphthous stomatitis, lupus erythematosus, herpes simplex, vesicular pemphigoid, lichen planus, exudative erythema multiforme.	2						2	4	
13. Pre-neoplastic changes in the oral mucosa. Leukoplakia, candidiasis leukoplakia	2						2	2	
14. Damage to the oral mucosa in AIDS.			1				1	2	
Total	32		2	48			82	52	

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Accumulative assessment (all components of the cumulative score must be passed above score 5) Obligatory attendance of seminars and practice			
3 Tests	60%	During semester	The test consists of open-ended questions or a clinical situation or definition. The test is carried out during the practice, at least 1 week after the lecture corresponding to the test questions. Students are introduced to the subject of written tests and lectures in advance. The overall test score is written by summing up the points of the individual questions and dividing it by the number of questions. The minimum passing score for each test is 5. Failed tests are allowed to be retaken once during the semester. The total score of the test is written at the end of the semester, summing up the average of all the test scores performed and dividing it by the number.
Presentation/literature review	10%		<ul style="list-style-type: none">● clarity of ideas, quality of arguments (2 points);● structure of essay (2 points);● style and quality of scientific language (2 points);● quality (valid and reasonable) of conclusions (2 points).● visual quality of material presented (2 points). <p>A presentation is prepared on a given topic. Teacher assesses presentation/ review and it is presented in cyberspace. The final score is written at the end of the semester as an average score of all essays prepared.</p>
Assessment of practical work	30%		Assessment methods and minimal requirements of practical work please find in the attachment To observe oral and maxillofacial surgeons work during duties in the emergency room. To get the signature of the surgeon.
Exam (must be passed above 5 points)			
Test	100%	During examination session	Closed-ended and open - ended questions. 50% type I, one correct answer from 4, 40% type II, 2-3 correct answers from 5, 10% type III clinical situation or description. Every answer is evaluated 0 or 10 points. Total points for test: the sum of all points divided from number of questions. Examination is considered to be passed if the correct answer is given to 50%. and more questions. 91-100 percent - 10 points (excellent); 81-90 percent - 9 points (I. Well); 71-80 percent - 8 points (good); 61-70 percent - 7 points (average); 56-60 percent - 6 points (satisfactory); 50-55 percent - 5 points (weak); 41-49 percent - 4 points (unsatisfactory); 31-40 percent - 3 points (unsatisfactory); 21-30 percent - 2 points (unsatisfactory); 11-20 percent - 1 point (unsatisfactory);

			0-10% - 0 points (not rated).
Final assessment			
Exam	50%	During examination session	The examination score consists of the average of the sum of the points of the theoretical and practical part of the exam. The criteria for assessing practical skills are set out in the Annexes.
Accumulative score (from 5 th , 6 th and 7 th semesters)	50%		Accumulative score: the average of sum of all scores received for all tests, essays and assessments of practical work during 2 semesters

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and publisher or Internet link
Required reading				
Fonseca Raymond J, Barber H. Dexter, Powers Michael P, Frost David E.	2005	Oral and Maxillofacial Trauma.	Fourth edition	https://virtualibiblioteka.vu.lt/permalink/f/oik4r4/TN_pq_ebook_centralEBC1746271
Jean M. Bruch, Nathaniel Simon Treiste	2019	Clinical Oral Medicine and Pathology		https://virtualibiblioteka.vu.lt/permalink/f/oik4r4/TN_springer_s978-3-319-29767-5_330174
Pieter J. Slotweg	2016	Dental and Oral pathology		https://virtualibiblioteka.vu.lt/permalink/f/oik4r4/TN_springer_series978-3-319-28085-1
Miloro Michael, Ghali G.E. Larsen Peter. Waite Peter.	2012	Peterson's Principles of Oral and Maxillofacial Surgery.	Third edition	https://virtualibiblioteka.vu.lt/permalink/f/oik4r4/TN_pq_ebook_centralEBC3386938
Lars Andersson, Karl-Erik Kahnberg, M. Anthony Pogrel	2010	Oral and maxillofacial surgery		Blackwell publishing Ltd
Recommended reading				
Pogrel M, Anthony Kahnberg, Karl-Erik. Andersson Lars.	2014	Essentials of Oral and Maxillofacial Surgery		https://virtualibiblioteka.vu.lt/permalink/f/oik4r4/TN_pq_ebook_centralEBC1652054
Woo, Sook-Bin	2017	Oral Pathology E-Book: A Comprehensive Atlas and Text		https://virtualibiblioteka.vu.lt/permalink/f/oik4r4/TN_pq_ebook_centralEBC4677017
Louie Al-Faraje	2011	Surgical complications in oral implantology		Quintessence publishing Co
				www.emedicine.com
				www.clinicalkey.com
James R. Hupp, Edward Ellis, Myron R. Tucker	2014	Contemporary Oral and Maxillofacial surgery	6th edition	Mosby
Articles related to subject available through subscribed databases of Library of Vilnius University: http://www.mb.vu.lt/istekliai/				