1	Subject	**GNATHOLOGY**			
2	Code	DGL507			
3	Study Program	Study Program of Integrated studies in dental medicine			
4	Organizing Institution (Unit, Institute, Chair, Department)	Department for Prosthetic Dentistry			
5	Educational degree (first or second cycle)	Integrated study			
6	Study year/semester	5 / 9	7	Number of credits	2
8	Teacher	Prof. Ljuben Guguvcevski			
9	Preconditions	Passed all compulsory courses of 5 and 6 semester. Signatures of 7 and 8 semester courses			
10	Teaching goals: The student will be introduced to the issue of occlusion in dentistry, which is a particularly interesting term important in the treatment of patients. The occlusion with natural and artificial teeth is the goal of the therapeutic procedures that are implemented in daily dental practice. In addition to occlusion, the student is also introduced to the basic principles of articulation and lower jaw movements.				

11	**Brief content**	
	Theoretical course	Class
	Introduction to Gnatology	1
	Procedures review in complete oral rehabilitation	1
	Gnatologycal aspects of occlusion	1
	Elements of occlusion	1
	Occlusion and teeth articulation	1
	Border mandible movements	1
	Rest position and centric relation	1
	The importance of face bow use in dentistry	1
	Functional analysis of the masticatory system	1
	Prerequisite for obtaining optimal occlusal conditions	1
	Masticatory system functions	1
	Disorders and dysfunctions of masticatory system	1
	Therapy of disorders and dysfunctions in masticatory system	1
	Selective teeth grinding	1
	Modern occlusal schemes used in gnatology	
	Total	15
	Seminars	Class
	Elaboration of topics from the relevant material, presentation of the topics by the students and active involvement of the students until discussion of the given topic.	15
12	Methods of studying: class room oriented lectures, interactive lectures, group work, practical training, seminar paper	
13	Total available time	60 classes
14	Organization of the course	15 classes - theoretical course, 15 classes - seminars, 30 classes - home individual learning and other activities

15	Forms of teaching activities	15.1.	Theoretical course	15 classes
		15.2.	Practical course, seminars	seminars - 15 classes
16	Other forms of activities	16.1.	Project tasks	
		16.2.	Individual tasks	
		16.3.	Individual (home) learning	30 classes
17	Method of assessment	17.1.	Tests	points
		17.2.	Active participation, seminar paper/project (oral/written presentation)	points
		17.3.	Final (oral) exam	points
18	Grading criteria (points / grade)	Up to 59 points		5 (five) (F)
		from 60 to 67 points		6 (six) (E)
		from 68 to 75 points		7 (seven) (D)
		from 76 to 84 points		8 (eight) (C)
		from 85 to 93 points		9 (nine) (B)
		from 94 to 100 points		10 (ten) (A)
19	Requirement for signature and taking the final exam	The student is required to actively follow all of the planned activities. Conditional criteria for assessment of knowledge: In order to get a signature, the student should obtain minimum points in both theoretical and seminar courses. In order to take the final exam, the student should obtain the minimum points from activity and test; If the student has not obtained the minimum points in the continual assessments, he/she in next exam session will have paper part of the exam (40 points) and final exam (60 points)		
20	Language of the course	English		
21	Method for evaluation of the quality of education	Anonymous student's evaluation of the subject, teachers and collaborators involved in the educational activities		
22	**Literature**			

22.1.	**Mandatory textbooks**			
	No.	Author	Title	Publisher	Year
	1	Victor O. Lucia	Modern Gnathological Concepts-Updated	Quintessence	1998
	2	Avijit Banerjee, Timothy F. Watson	Pickard's manual of operative dentistry	Oxford University Press	2011

22.2.	**Additional literature**			
	No.	Author	Title	Publisher	Year
	1	Љубен Н. Гугувчевски	Основи на гнатологијата	ИнФорма, Скопје	2005