

Study program: Integrated academic studies in Dentistry			
Type and level of the study program: integrated academic studies			
Course title: Implantology (DIV-IMPL)			
Teacher: Bajkin V. Branislav, Mirković M. Siniša, Šarčev N. Ivan			
Course status: compulsory			
ECTS Credits: 4			
Condition: -			
Course aim The main aim of the subject is getting familiar with the most recent technologies used in dentistry. Students will be acquainted with basic terms in dental implantology, classification, macrodesign and microdesign of dental implants, materials used for production of dental implants; indications and contraindications for implantation, planing and conducting of implant therapy; complications in implant therapy.			
Expected outcome of the course: Implantology is the multidisciplinary branch of dentistry. Students should get acquainted with its principles since implantology and related dentistry branches represent the most contemporary trend in dentistry. Through the practice on mannequins and simulation models students will get basic knowledge of surgical placement of dental implants. Students will also learn procedures of prosthetic rehabilitation of patients with dental implants. After completing the course and passing the exam of implantology students will have following knowledge and skills : <ul style="list-style-type: none"> - Taking medical and dental history, perform clinical extra oral and intraoral exam and diagnostic procedures necessary in order to indicate implant therapy - Basic principles of treatment planning - Pre-implantation procedures - Basic surgical procedures - Postoperative protocols and drug administration - Intraoperative and postoperative complications - Taking impressions and stages of fabrication of overdentures and fixed prosthodontics on implants - Prosthodontic complications - Training and motivation of the patient in performing oral hygiene 			
Course description <i>Theoretical education</i> <ol style="list-style-type: none"> 1. Introduction to the course 2. Materials used in implantology 3. Anatomy and histology of jaw bone; Design and classification of implants; Osseointegration 4. Indications and contraindications for dental implants 5. Patient selection and preimplantation procedures 6. Surgical techniques of implant placement 7. Special surgical procedures (GBR, sinus/lift) 8. Surgical complications (intraoperative and postoperative); diagnosis and treatment 9. Prosthodontic rehabilitation on dental implants 10. Types of suprastructures 11. Taking impressions in implantology 12. Temporisation in implantology 13. Fixing of prosthodontics and occlusal balance, importance of articulator use 14. Prosthodontic complications 15. The importance of patient recall in implantology <i>Practical education: exercises, other forms of education, research related activities</i> <ol style="list-style-type: none"> 1. Taking medical and dental history, clinical examination and the x-ray scan analysis 2. Implant therapy planning 3. Surgical procedures performed 4. Impression techniques 5. Fixing of cement retained prosthodontics 6. Fixing of screw retained prosthodontics 			
Literature <i>Compulsory</i> <ol style="list-style-type: none"> 1. Lindhe J, Lang NP, Karring T. Clinical Periodontology and Implant Dentistry. Blackwell Publishing Co, 2008. 2. Misch CE. Dental Implant Prosthetics, Mosby, St Louis 2005. <i>Additional -</i>			
Number of active classes			Other:
Lectures: 30	Practice: 30	Other types of teaching:	
			Research related activities: essay

Teaching methods			
Student activity assessment (maximally 100 points)			
Pre-exam activities	40 points	Final exam	60 points
Lectures	10	Written	60
Practices	10	Oral	
Colloquium		
Essay	20		