

UNIVERSITY DIPLOMA IN IMPLANTOLOGY

Main Language of Instruction:

French ☐ English ☒ Arabic ☐

Campus Where the Program Is Offered: CSM

OBJECTIVES

This UD provides dental professionals with advanced theoretical and clinical training in oral implantology. It aims to develop solid competencies in surgical and prosthetic implant procedures, from diagnosis and treatment planning to clinical execution and follow-up. The program also emphasizes multidisciplinary management, digital approaches in implant dentistry, and evidence-based decision-making to ensure safe, effective, and high-quality implant care.

THE UD IN IMPLANTOLOGY AIMS TO:

- Deliver information orally in a clear and effective manner, using both verbal and non-verbal communication suited to the type of information and the audience, supported by relevant tools.
- Convey information through written documents clearly and effectively, using appropriate language and style for the type of information and the target audience.
- Perform quantitative reasoning through the application of mathematics to problem-solving, the use of IT in learning and research, or the analysis and interpretation of data using statistics.
- Make decisions based on solid argumentation supported by evidence.
- Analyze facts to form a judgment.
- Assimilate and reproduce new information.
- Apply relevant information according to needs.
- Collaborate effectively within a team to complete a project within deadlines and according to established guidelines.

PROGRAM LEARNING OUTCOMES (COMPETENCIES)

- Communicate effectively with various audiences.
- Conduct quantitative reasoning.
- Demonstrate critical thinking.
- Master the indications and principles of guided bone regeneration.
- Work effectively in a team.

ADMISSION REQUIREMENTS

- Doctor of Dental Surgery (Practicing Doctorate)

PROGRAM REQUIREMENTS

21 Credits: Required Courses (21 credits)

Required Courses (21 Cr.)

Anatomy, Oral Surgery Basics (2 Cr.), Basics, Surgical Planning and Procedures in Implantology (2 Cr.), Advanced Implantology (2 Cr.), General Health Relevant to Implant Dentistry (2 Cr.), Practical Work in Implant Surgery and Implant Prosthetics (DU Imp.) (1 Cr.), Literature Review (2 Cr.), Case-Based Discussions - TD – DU Oral Implantology (1 Cr.), Digital Implantology (1 Cr.), Multidisciplinary Implications in Implant Dentistry (1 Cr.), Prosthodontic Planning and Procedures Over Implants (2 Cr.), Clinical Rotation(s) (5 Cr.).



COURSE DESCRIPTION

003CHPRP1	Anatomy, Oral Surgery Basics	2 Cr.
- Review of the different anatomical structures related to various implant sites. - Basic principles of asepsis, sterilization, and anesthesia. - Basic principles of osseointegration, incisions, and suturing.		
003IMBSP1	Basics, Surgical Planning and Procedures in Implantology	2 Cr.
- Understand implantology and various implant systems. - Understand fundamental mechanisms of osseointegration. - Understand soft tissue biology in implant dentistry. - Surgically evaluate an implant site. - Diagnose, assess in a structured manner, and plan treatment.		
003SAGEP1	Advanced Implantology	2 Cr.
This course provides participants with an in-depth understanding of advanced techniques used in oral implantology. Focusing on topics such as bone substitutes, guided bone regeneration, ridge preservation, and sinus grafting approaches, it aims to familiarize participants with the indications, principles, and technical variations associated with these procedures. It also covers anatomical and physiological aspects of the maxillary sinus, as well as bone grafting techniques, including sinus grafts and immediate implantation. Emphasis is placed on the prevention and management of technical, mechanical, and biological complications, equipping participants with the knowledge and skills necessary to practice oral implantology safely and effectively.		
003SAGEP1	General Health Relevant to Implant Dentistry	2 Cr.
This course focuses on effective hemostasis management and guidelines for treating high-risk patients. It specifically addresses the management of irradiated, cardiovascular, and diabetic patients, as well as those with other endocrine disorders, providing adapted protocols and strategies to ensure optimal outcomes in surgical implantology.		
003TPIMP1	Practical Work in Implant Surgery and Implant Prosthetics (DU Imp.)	1 Cr.
These activities provide valuable hands-on experience in soft tissue dissection and manipulation, as well as in the use of dental implants and implant-supported prostheses from the Straumann system. They also provide training in digital software for implant planning and piezosurgery technology, as well as hands-on training in membranes and materials used for bone regeneration.		
003ARTIP2	Literature Review	2 Cr.
This course is dedicated to deepening theoretical and clinical knowledge through thematic seminars and the rigorous analysis of treated cases. It aims to develop students' critical thinking and their ability to justify therapeutic choices based on current scientific evidence (evidence-based dentistry).		
003TDIMP2	Case-Based Discussions - TD – DU Oral Implantology	1 Cr.
Structured learning of strategies and guidelines for managing various clinical situations.		
003NUMEP2	Digital Implantology	1 Cr.
This course introduces participants to the principles and applications of guided surgery in dental implantology, focusing on computer-assisted implant planning, digital surgery, and the latest technological advances in implant prosthetics.		