

UNIVERSITY DIPLOMA IN RESTORATIVE AND ESTHETIC DENTISTRY

Main Language of Instruction:

French ☐ English ☒ Arabic ☐

Campus Where the Program Is Offered: CSM

OBJECTIVES

This training program's primary objective is to train dental surgeons in modern restorative dentistry. The topics covered will enable students to identify and explain new developments in adhesive bonding and their applications in restorative treatments, as well as to clinically apply new materials and techniques in esthetic restorations.

The aim of this program is to serve as an advanced lifelong education tool for practitioners in a field of practice that is essential in dental offices today.

THE UD IN RESTORATIVE AND ESTHETIC DENTISTRY AIMS TO:

- Justify and defend therapeutic choices in complex clinical situations.
- Adapt treatment planning and clinical strategies in response to complications or restorative failures.
- Critically analyze and synthesize current scientific literature in restorative and esthetic dentistry.
- Recognize the steps involved in indirect restorations in the laboratory and the procedures for CAD/CAM restorations (inlays/onlays), layered anterior restorations, tooth whitening, and conservative partial rehabilitations.
- Prepare and restore complex anterior and posterior cavities in direct restorative dentistry (DRE)

PROGRAM LEARNING OUTCOMES (COMPETENCIES)

- Practical sessions in restorative and esthetic dentistry contribute to program-level outcomes related to clinical competence, operative skill mastery, and therapeutic reasoning. They help students refine manual precision, understand biomechanical and esthetic principles, and apply restorative protocols aligned with current scientific evidence.
- Preclinical activities specifically develop technical skills such as composite and ceramic veneers, direct and indirect adhesive restorations (inlays/onlays), layered anterior restorations, tooth whitening, and conservative partial rehabilitations.
- The program develops advanced clinical competence in the restorative and esthetic management of complex cases, including the fabrication of composite and ceramic veneers, direct and indirect adhesive restorations (inlays/onlays), stratified anterior restorations, and conservative partial rehabilitations.
- This training promotes autonomous decision-making based on biomechanical, esthetic, and scientific analysis of clinical situations, in accordance with international standards of evidence-based practice.

ADMISSION REQUIREMENTS

- Doctor of Dental Surgery (Practicing Doctorate)

PROGRAM REQUIREMENTS

12 Credits: Required Courses (12 credits)

Required Courses (12 Cr.)

Materials and Basic Principles in Restorative Dentistry (2 Cr.), Practical work - DU. DR (2 Cr.), Restoration Techniques DU. DR (2 Cr.), Article Analysis – Synthesis Work (4 Cr.), Clinical Rotation(s)-DU. DR (2 Cr.)



COURSE DESCRIPTION

003MATDP1	Materials and Basic Principles in Restorative Dentistry	2 Cr.
General objective: To provide students with advanced knowledge of restorative and esthetic dental materials and their clinical indications to ensure appropriate treatment planning and management of complex restorative situations. Specific objectives: - Understand the physical, mechanical, and esthetic properties of restorative materials. - Select appropriate materials according to clinical indications and evidence-based practice. - Analyze the advantages, limitations, and longevity of different restorative options. - Integrate biomimetic and minimally invasive concepts into restorative treatment planning.		
003TPDRP1	Practical Work - DU. DR	2 Cr.
General objective: To develop students' practical skills in restorative and esthetic dentistry through supervised laboratory and simulation exercises. Specific objectives: - Perform restorative procedures using contemporary techniques and materials. - Improve manual dexterity and precision in restorative procedures. - Apply theoretical concepts during laboratory and preclinical sessions. - Develop critical evaluation skills regarding restorative outcomes.		
003TRDRP2	Restoration Techniques DU. DR	2 Cr.
General objective: To develop advanced knowledge of contemporary restorative and esthetic techniques used in direct and indirect restorative dentistry. Specific objectives: - Understand modern adhesive and restorative protocols. - Master the clinical steps involved in esthetic anterior and posterior restorations. - Apply evidence-based restorative procedures in different clinical situations. - Recognize factors influencing the long-term success of restorative treatments.		
003EXDRP2	Article Analysis – Synthesis Work	4 Cr.
General objective: To strengthen students' abilities in scientific analysis, critical thinking, and evidence-based dentistry through literature review and synthesis assignments. Specific objectives: - Critically analyze scientific articles related to restorative and esthetic dentistry. - Interpret and discuss current evidence from the literature. - Develop scientific writing and presentation skills. - Synthesize scientific information in a structured and coherent manner.		
003TCDRP2	Clinical Rotation(s)- DU. DR	2 Cr.
This course aims to enable students to apply and integrate non-pharmacological and pharmacological behavior guidance techniques in accordance with current clinical guidelines and patient safety standards. A pediatric dentistry clinic in a teaching unit provides: - Clinical care for children - Training for dental students - Preventive and educational programs - Integration of digital technologies and emerging AI-assisted tools		



Students will also be able to:

- Apply preventive clinical measures.
 - Evaluate psychological and developmental factors that influence child behavior in the dental setting.
 - Evaluate risk factors and the etiology of preventable oral diseases in children.
 - Interpret clinical and radiographic findings to establish differential diagnoses.
 - Perform a systematic assessment of a patient presenting with a dental emergency.
 - Interpret clinical and radiographic findings and radiographs in dental emergency situations.
 - Develop an appropriate differential diagnosis and implement immediate management.
 - Perform a systematic assessment of patients presenting with dental emergencies.
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