



The Hashemite University
Faculty of Dentistry

Dean`s Office



الجامعة الهاشمية
كلية طب الأسنان
مكتب العميد

Level 7 Jordanian National Qualification Framework Descriptors (JNQF-7)

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| K1 | Methodological understanding of the theories, concepts, principles, and circulars associated with the fields of learning some of which are state-of-the-art |
| S1 | Mastering the skills and tools required to solve complex problems in a specialized field of study |
| S2 | Demonstrating specialized and conceptual skills in the field of study. |
| S3 | The practice of evaluation in planning, designing, technical and/or supervisory functions related to products, services, or processes |
| C1 | Management of activities and projects |
| C2 | Taking responsibility for making decisions in work or study contexts |
| C3 | Taking responsibility for group work and work effectively under peer guidance |
| C4 | Transferring and applying diagnostic and creative skills in a range of contexts |



The Doctor of Dental Sciences DDs program learning outcomes (PLOs) were Mapped to five core domains competencies (A-B-C-D-E).

| DDs program Core Competencies Domains and Corresponding PLOs learning outcomes | Jordanian National Qualification Framework Descriptors (JNQF-7) | | |
|---|---|-------------------|--------------------------|
| Domain A: Medical and dental knowledge | Knowledge (K1) | Skills (S1,S2,S3) | Competency (C1,C2,C3,C4) |
| A1. Demonstrate medical and dental knowledge of the basic sciences, including anatomy, physiology, biology, pathology, and dental material, etc. | K1 | | |
| A2. Demonstrate medical and dental knowledge of the clinical sciences, including conservative dentistry endodontics, prosthodontics, pediatrics, oral surgery, orthodontics, etc. | K1 | | |
| A3. Recognize and explain the human body's structure, function, and pathogenesis related to the oral and maxillofacial region. | K1 | | |
| A4. Understand and Integrate the nature, structure, and properties of biomaterials and demonstrate their application in dentistry. | K1 | S1 | |
| A5. Demonstrate understanding of risk management, safety, medical and dental errors. | K1 | | |



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| A6. Assess new information and data about their validity and applicability to one's professional decisions. | K1 | S1 | C2 |
| A7. Apply basic principles and concepts related to basic and clinical practice. | | | |
| Domain B: Patient and community oral health care | Knowledge | Skills | Competency |
| B1. Demonstrate the complex interrelationship between the biomedical sciences, clinical dental behavioral, and social sciences in oral health care. | | S1 | |
| B2. Demonstrate competent in-patient assessment, diagnosis, treatment planning, and referral. | | S1 S3 | |
| B3. Conduct comprehensive communication and collaboration with individuals and groups to prevent oral disease and promote oral and general health in the community . | | S3 | |
| B4. Understand and apply the principles of prevention and management of dental and medical emergencies. | K1 | S2 | |
| B5. Perform common dental techniques and procedures safely and accurately , in pre-clinical and clinical settings. | | | |
| B6. Understand and apply principles of public health and epidemiology, including disease prevention and health promotion. | K1 | S2 S3 | C4 |



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| B7. Educate, motivate, and convince the patient for prevention, oral health promotion , and wellness. | | S3 | C4 |
| B8. Collect and analyze relevant knowledge from various resources to make appropriate clinical decisions for patients' oral health care. | | S1 | C2 |
| Domain C: Ethics and Professionalism | Knowledge | Skills | Competency |
| C1. Implement honesty and integrity in the relationship while dealing with patients, the community, and the dental profession. | | S2 | C1 |
| C2. Practice professionalism with ethical standards and social responsibility in all aspects of dental practice. | | S2 | C1 C4 |
| C3. Manage patients independently and/or work in association with other health professionals by applying the scientific basis of different therapeutic modalities. | | S2 | C1 |
| C4. Practice patient-centered care, including shared decision-making and respect for patient autonomy, privacy, and confidentiality . | | S1 | C2 |
| Domain D: Interpersonal and Communication Skills | Knowledge | Skills | Competency |
| D1. Develop an effective working environment as part of an oral health care team , with an appreciation of other health care professionals and agencies contributions. | | | C1 C3 |



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| D2. Communicate effectively with patients, their families, colleagues, and other health care professionals, recognizing when patients have difficulties in coping with dental care and helping them accept their role in prevention and treatment. | | S2 | C1 C3 |
| D3. Use technology effectively and ethically to support patient care and clinical decision-making . | | S1 | C2 |
| Domain E: Practice-Based Learning and Scientific Research | Knowledge | Skills | Competency |
| E1. Follow the strategies to support self-directed life-long learning , research, and innovation in the field of dental sciences. | | S2 | |
| E2. Apply scientific research methods and the basic principles of evidence-based research to support evidence-based treatment modalities with specific concern for oral health and overall health. | | S2 | |
| E3. Identify problems , investigate and use appropriate methods of reasoning, and develop creative and practical solutions to personal, professional, and community issues regarding the delivery of oral health care. | | S1 | C2 C4 |
| E4. Practice evidence-based medicine , using critical thinking skills to evaluate the quality and relevance of medical literature and research. | | | C2 C4 |
| E5. Apply skills of reasoning and problem-solving in the context of dental study. | | | |