



University: Ahram-Canadian University
Faculty: Oral and Dental Medicine

Program Specification (2023 - 2024)

A- Basic Information:

- 1- Program Title: Bachelor of Oral and Dental Medicine.
- 2- Program Type: Single Double Multiple
- 3- Program coordinator: Professor Eman Abd Elaziz,
- 4- External evaluator: Professor Mona Wali
- 5- Departments delivering the program: All departments in the faculty of Oral and Dental Medicine, Ahram Canadian University.
- 6- Date of program approval: 9/2023

B- Professional Information:

1- Program Aims:

The educational program of the Faculty of Oral and Dental Medicine at ACU is dedicated to:

- 1.1•Enable students to acquire clinical skills and professional attitudes in dental setting.
- 1.2• Inspire life-long learning and prompt response to the ongoing technology.
- 1.3• Build confidence of students in their abilities to take responsibility for their role in optimizing the health status of the society.
- 1.4•Encourage collaborative models of research that support the strategic direction of the faculty.

2. Attributes of the Graduates:

The graduate must be able to:

- 2.1. Provide dental treatment independently within the scope of general dental practice.
- 2.2. Demonstrate the adherence to ethical concept of dental profession such as integrity, respect, honesty, credibility.

- 2.3. Manage patients in a comprehensive approach starting from examination and ending by treatment as well as monitoring of outcomes.
- 2.4. Build an appropriate dentist patient relationship.
- 2.5. Engage effectively in community service and recognize the socioeconomic status of different communities.
- 2.6. Provide dental care in safe environment and adhere strictly to infection control measures.
- 2.7. Recognize the value of lifelong learning to progress their professional development.
- 2.8. Recognize the medico-legal issues in the field of dental practice.
- 2.9. Evaluate the limitation of their practice and refer their patients when necessary.
- 2.10. Utilize the recent dental technology and follow its continuous development.
- 2.11. Recognize the impact of scientific research on dental practice and participate in research activities.

3- Intended Learning Outcomes (ILOs):

A- Knowledge and Understanding:

By the end of the program, the graduate must be able to:

- A.1. Explain the normal structure and function of different human body systems and their interrelation.
- A.2. Describe the principles of pathogenic mechanisms of human diseases which are of dental significance.
- A.3. Enumerate the fundamentals of pathological interpretation of human diseases relevant to dentistry.
- A.4. Identify the clinical manifestations of human diseases relevant to dentistry.
- A.5. Define the radiographic basics of normal and abnormal oral and dental structures as well as pathological lesions.

- A.6. Identify the principle and significance of oral and associated dental structures disorders.
- A.7. Explain the principles of prevention of oral diseases, health promotion and nutritional education for individuals and community.
- A.8. Identify the basics of prevention and management of medical and dental emergencies.
- A.9. Explain the basics of infection control guidelines and safe environment in preclinical and clinical settings.
- A.10. List principles of effective practice management for oral and dental health care.
- A.11. Define the basis of evidence-based dentistry and scientific research.
- A.12. Identify various principles of medico-legal aspects, code of ethics and professionalism relevant to the practice of dentistry and research.
- A.13. Recognize the impact and interaction of emotional, social environment and psychological determinants on behavioral management.
- A14. Describe the basics of mechanical and physical properties of materials used in dentistry.
- A15. Describe the main interactions and possible hazards between the oral environment and dental materials.
- A16. Explain the laboratory steps and techniques necessary for construction of removable and fixed prosthetic restorations.
- A17. Explain the principles of caries management in performing operative procedures and pulp therapy

B- Intellectual Skills:

By the end of the program, the graduate must be able to:

- B.1. Integrate basic sciences including biomedical, behavioral, and dental with signs and symptoms of the disease relevant to dental practice.
- B.2. Distinguish normal versus abnormal features related to oral and dental practice.

- B.3. Sort the patient's potential clinical problems.
- B.4. Correlate all collected diagnostic information to detect solutions for different clinical problems based on current evidence.
- B.5. Design comprehensive treatment plans according to patient's medical condition as well as patient needs.
- B.6. Evaluate the impact of medications on patient oral and dental health.
- B.7. Assess the effects of medications administered by patient on dental management.
- B.8. Conclude reasonable and logical solutions for clinical problems.
- B9. Select the appropriate materials used in caries management involving aspects of pulp protection and cavity preparation.
- B10. Justify the selection and use of appropriate materials for all clinical and laboratory stages associated with the construction and placement of prostheses.

C-Professional and Practical Skills:

By the end of the program, the graduate must be able to:

- C.1. Set up a comprehensive medical, dental, and social history.
- C.2. Request appropriate investigations for diagnosis and sequential treatment plan based on their evaluation.
- C.3. Perform appropriate clinical intraoral and extraoral examination to differentiate between normal and abnormal conditions.
- C. 4. Consult with other health care professionals when required based on the review of body systems.
- C.5. Detect etiological and /or risk factors that may contribute to oral diseases.
- C.6. Implement different preventive protocols to enhance general & oral health.
- C.7. Perform different local anesthetic techniques.
- C.8. Extract the teeth and remaining roots when indicated.

- C.9. Implement diagnosis of commonly encountered oral lesions.
- C.10. Perform required radiographic images.
- C.11. Apply non-surgical periodontal treatment and monitor prognosis of treatment outcomes.
- C.12. Restore carious and non-carious tooth defects with suitable restorative materials.
- C.13. Apply basic concepts of dental esthetics.
- C.14. Perform basic root canal treatment.
- C.15. Manage partially and completely edentulous patients.
- C.16. Prescribe appropriate pharmaceutical agents with special concern to drug and patient factors.
- C.17. Monitor the effect of prescribed therapeutic agents in dental practice.
- C.18. Practice contemporary infection control guidelines in laboratories preclinical and clinical settings.
- C.19. Handle different dental and medical emergencies which may occur in dental practice.
- C.20. Diagnose, prevent, and solve problems of developing malocclusion.
- C.21. Manage patient's anxiety and apprehension in different age groups.
- C.22. Apply basic life support measures.
- C.23. Use the current dental technology to manage dental patients.
- C.24. Manipulate properly various materials used in dental field.

D- General and Transferable Skills:

By the end of the program, the graduate must be able to:

- D.1. Work effectively as a team member.
- D.2. Communicate effectively in a team and in different cultural backgrounds.

- D.3. Recognize different sources for continuing Professional development.
- D.4. Utilize different sources for life-long learning.
- D.5. Apply a creative scientific approach with emphasis on ethics.
- D.6. Conduct self-assessment of professional abilities through performance and progress.
- D.7. Execute professional responsibility towards the surrounding community.
- D.8. Utilize information technologies in different professional experiences.
- D.9. Adopt the basic concepts of quality assurance and practice management.
- D.10. Manage time by setting priorities to tolerate workload efficiently.

4- Academic Standards

Faculty of Dentistry, Ahran- Canadian University adopted the National Academic Reference Standards (NARS) provided by the National Authority for Quality Assurance and Accreditation of Education (NAQAAE for undergraduate programs). The faculty council (No. 17) dated October 2021 approved this adoption.

5- Curriculum Structure and Contents

5-a- Program duration: Five years duration with one-year obligatory internship.

5-b- Program structure:

- No. of hours: Compulsory: 192 Elective: 4
 - No. of hours of basic sciences courses: No.: 63 (32.14 %)
 - No. of hours of courses of social sciences and humanities: No. 3 (1.53%)
 - No. of hours of specialized courses: No.: 114 (58.2 %)
 - No. of hours of other courses: No.: 16 (8.1%)

5-c- Program Levels and courses:

Title	Code	Credit Hours		
		Lect	P/T	total
Semester 1				
English 1	LANG101	2	0	2
General Anatomy-1	DNT111	2	2	3
General Physiology-1	DNT112	4	-	4
Biochemistry-1	DNT113	2	2	3
General Microbiology	DNT114	1	2	2
Dental Anatomy-1	DNT115	1	2	2
General Histology 1	DNT116	1	2	2
Total	7	13	10	18

Title	Code	Credit Hours		
		Lect	P/T	total
Semester 2				
English 2	LANG102	2	0	2
General Anatomy-2	DNT121	2	2	3
General Physiology-2	DNT122	3	2	4
Biochemistry-2	DNT123	2	2	3
General Microbiology 2	DNT124	1	2	2
Dental Anatomy-2	DNT125	1	2	2
General Histology 2	DNT126	1	2	2
Biostatistics	DNT127	1	-	1
Critical Thinking	DNT128	2	-	2
Total	9	15	12	21

Code	Title	Credit Hours		
		Lect	P/T	total
Semester 3				
English Language & Medical Terminology	DNT211	2	-	2
Technology of Operative Dentistry-1	DNT212	1	2	2
Technology of removable Prosthodontics-1	DNT213	1	2	2
Technology of fixed Prosthodontics -1	DNT214	1	2	2
Pharmacology 1	DNT215	2	2	3
Dental Biomaterials (Basics) 1	DNT216	2	2	3
Oral Biology-1	DNT217	2	2	3
General Pathology 1	DNT218	2	2	3
Total	8	13	14	20

Code	Title	Credit Hours		
		Lect	P/T	total
Semester 4				
Technology of Operative Dentistry-2	DNT222	1	2	2
Technology of removable Prosthodontics-2	DNT223	1	2	2
Technology of fixed Prosthodontics -2	DNT224	1	2	2
Pharmacology 2	DNT225	1	2	2
Dental Biomaterials 2	DNT226	2	2	3
Oral Biology-2	DNT227	2	2	3
General Pathology- 2	DNT228	1	2	2
Biophysics	DNT229	2	-	2
Total	8	11	14	18

Code	Title	Credit Hours		
		Lect	P/T	total
Semester 5				
Oral Pathology-1	DNT311	3	2	4
Technology of Operative Dentistry-3	DNT312	1	2	2
Technology of removable Prosthodontics-3	DNT313	1	2	2
Technology of fixed Prosthodontics -3	DNT314	1	2	2
Oral Radiology-1	DNT315	1	2	2
General Medicine, Dermatology and venereal diseases -1	DNT316	2	-	2
General Surgery, E.N.T. and Ophthalmology-1	DNT317	2	-	2
Behaviour and psychology	DNT 318	3	-	3
Total	8	14	10	19

Code	Title	Credit Hours		
		Lect	P/T	total
Semester 6				
Oral Pathology-2	DNT321	3	2	4
Operative Dentistry-1	DNT322	1	2	2
Removable Prosthodontics-1	DNT323	1	2	2
Fixed Prosthodontics-1	DNT324	1	2	2
Oral Radiology-2	DNT325	1	2	2
General Medicine, Dermatology and venereal diseases -2	DNT326	2	2	3
General Surgery, E.N.T. and Ophthalmology-2	DNT327	2	2	3
Community Dentistry	DNT328	2	-	2
Technology of Endodontics	DNT329	1	2	2
Total	9	14	16	22

Code	Title	Credit Hours		
		Lect	P/T	total
Semester7				
Operative Dentistry-2	DNT411	1	4	3
Removable Prosthodontics-2	DNT412	1	4	3
Fixed Prosthodontics-2	DNT413	1	4	3
Oral Surgery-1	DNT414	2	2	3
Orthodontics-1	DNT415	1	2	2
Oral Diagnosis-1	DNT416	1	2	2
Oral Medicine-1	DNT417	2	2	3
Basics of Clinical Endodontics	DNT419	-	2	1
Total	8	9	22	20

Code	Title	Credit Hours		
		Lect	P/T	total
Semester 8				
Operative Dentistry-3	DNT421	1	3	2
Removable Prosthodontics-3	DNT422	1	3	2
Fixed Prosthodontics-3	DNT423	1	3	2
Oral Surgery-2	DNT424	2	2	3
Orthodontics-2	DNT425	1	2	2
Oral Diagnosis-2	DNT426	1	2	2
Oral Medicine-2	DNT427	2	2	3
Endodontics-1	DNT428	1	2	2
Total	8	10	19	18

Code	Title	Credit Hours		
		Lect	P/T	total
Semester 9				
Operative Dentistry-4	DNT511	1	3	2
Removable Prosthodontics-4	DNT512	1	3	2
Fixed Prosthodontics-4	DNT513	1	3	2
Endodontics-2	DNT514	1	2	2
Oral & Maxillofacial Surgery-3	DNT515	2	2	3
Pedodontics-1	DNT516	1	2	2
Oral Medicine-3	DNT517	1	2	2
Periodontology-1	DNT518	1	2	2
Total	8	9	19	17

Code	Title	Credit Hours		
		Lect	P/T	total
Semester 10				
Operative Dentistry-5	DNT521	1	4	3
Removable Prosthodontics-5	DNT522	1	4	3
Fixed Prosthodontics-5	DNT523	1	4	3
Endodontics-3	DNT524	1	2	2
Oral and Maxillofacial Surgery and General Anesthesia 4	DNT525	2	2	3
Pedodontics-2	DNT526	1	2	2
Periodontology-2	DNT527	1	2	2
Maxillofacial Prosthodontics	DNT528	1	-	1
Ethics and Professionalism	DNT529	-	-	-
Total	9	9	20	19

b. Elective courses

Code	Title	Credit Hours		
		Lect	P/T	total
Elective - 1	DNT418	2	-	2
Elective - 2	DNT519	2	-	2

C. University requirements

Code	Title	Credit Hours			
		Lect	P/T	total	
English Language-1		LANG101	2	-	2
English Language-2		LANG102	2	-	2
Behaviour and Psychology		DNT318	3	-	3

6- Program Admission Requirements:

- The applicant should have:
- The applicants must fulfill all acceptance requirements which is set by the university council in accordance with the law governing private universities number (12) year 2009 and related regulations.
- The applicant must pass aptitude test and qualified subjects determined by the faculty council.
- Submission of all documents as determined by the faculty any time during the academic year. Foreign students submit their documents following the University regulation.
- Pay all tuition fees before enrollment.

7- Regulations for Progression and Program Completion:

Students are awarded the BDS degree after:

1. University Requirements: (7 credit hours)
English language (2 courses) - human behavior and psychology, other compulsory and optional courses to be determined by the faculty council.
2. College Requirements: (185 credit hours)
3. Elective Courses: (4 credit hours) By the approval of the Faculty Council a number of elective courses (2) are offered for the student to choose from, giving him/her the chance for training and excellence according to his/her abilities, desires and dental science updates.
4. All students at Faculty of Oral and Dental Medicine, Ahram Canadian University must complete a scholarly project as a part of their graduation requirements, every student must present evidence of scholarly work in the form of:



- I. Performing a research project
- II. Comprehensive Care Clinic
- III. Participation in medical convoys
- IV. Summer practical training and research

9- Student's assessment:

Methods of assessments:	Intended learning outcomes
Quizzes	Knowledge and Intellectual skills
Assignment	Intellectual skills, General & Transferable skills
Self-Learning through E-learning	Knowledge, Intellectual, General & Transferable skills
Written Exams (mid-term & final)	Knowledge and Intellectual skills
Practical exam	Professional and Practical skills, General & Transferable skills
Oral Exam	Knowledge, Intellectual & General Transferable skills

10- Evaluation of Program:

Number	Evaluator	TOOL
1	Senior students	Questionnaire
2	Alumni	Questionnaire
3	External Reviewer/Evaluator	External Auditing (Once /year)
4	Employers	Questionnaire

Program coordinator
Prof. Dr. Eman Abd Elaziz

Dean
Prof. Dr. Azza Ezz Elarab