



## Programme Specification

### A- Basic Information

University: **Beni-Suef**  
Faculty: **Dentistry**  
Programme Title: Bachelor of dental science  
Program type: Credit system  
Departments:12  
Coordinator: Vice dean for student's affairs  
External evaluator: None  
Academic year:2022-2023  
Last date of programme specifications approval:10/2022

### B- Professional Information

#### 1- Programme aims

Upon completion of this programme students should be able to:

- Provide Oral health care services including diagnosis treatment plan and management of different oral health problems while maintaining a safe, infection-controlled environment within different socioeconomic communities, with special regard to ethical and medico-legal issues related.
- Identify the importance of lifelong learning and continuous education along with the importance of research to be updated with ongoing dental technologies.
- Comprehend the limitations of the current knowledge and clinical abilities leading to proper referral and interdisciplinary medical teamwork.
- Master proper communication skills to efficiently deal with patients, colleagues, and coworkers.

#### 2- Intended learning outcomes of course (ILOs)

Upon completion of this programme students should be able to:

##### a- Knowledge and understanding:

- a1-Identify human rights and medico-legal issues and their implications in the dental field ethics.
- a 2-Identify the structure and normal function of the major body systems and recognize the interrelationships of systemic and oral health.

- a 3- Define basic microscopic anatomical structure and functions of the head, neck, teeth, and various organ system.
- a 4- Describe the principles of infection control and universal precaution techniques used in dental practice.
- a 5- Identify biochemical reactions related to the function of different body systems and their interaction.
- a 6- Describe the basic principles of pharmacokinetics and pharmacodynamics, with an emphasis on dental applications.
- a 7- Identify the founding principles of basic microbiology and immunology and describe infectious diseases having oral-facial manifestations or implications.
- a 8- Describe the biological principles and details of the development, structure, and function of oral and paraoral tissues.
- a 9- Identify oral diseases and their clinical and pathobiological aspects, outlining ways of obtaining proper history through good communication skills, relating different types of social and psychological behavior of different patients that can affect dental treatment or be caused by it.
- a 10- Identify the composition, setting reactions, uses, and advantages and disadvantages of the dental materials.
- a 11- Classify the pathophysiology and the clinical details of medical emergencies, general surgical and internal, and their reflection in the management of dental patients.
- a 12- Identify orthodontic problems in children and adults.
- a 13-Enumerate the indications, contraindications and discuss the preparations, and techniques of endodontic surgery.
- a 14- Identify basic definitions, nomenclature, instruments used, and principles of cavity preparation and cutting in tooth tissues.
- a 15-Define basic physics of X-ray and principles of taking radiographs in dentistry.
- a-16- Describe basic theoretical concepts of fixed prosthodontics, and biomechanical principles of tooth reduction for different tooth coverage regarding different materials used.
- a 17-Identify, diagnose, and treat medically related disorders and conditions affecting the oral and maxillofacial region, including oral mucosal diseases, orofacial pain syndromes, and salivary gland disorders.
- a 18- Describe the prevention and treatment of developmental disorders, trauma, and diseases of the teeth and surrounding tissues in children.
- a 19-Define basic knowledge of implantology.
- a 20- Interpret different types of epidemiological studies and their relation to scientific research.

**b- Intellectual skills:**

- b 1- Use proper English language and dental terms.
- b 2- Demonstrate basic microscopic anatomical structure and functions of the head, neck, teeth, and various organ systems.
- b3- Conduct a thorough history and appropriate clinical examination of an adult dental patient, make diagnostic decisions based on collected data, formulate a problem list, and properly sequence treatment modalities.
- b 4- Demonstrate comprehensive treatment and practical case management of different dental cases.
- b 5- Manage orthodontic problems by referral, observation, or treatment.
- b 6-Demonstrate prevention and the treatment management of emergency dental cases
- b 7- Assess and manage medically complex patients and patients with special needs.
- b 8- Demonstrate thorough knowledge of radiologic normal anatomy with the description of any observed abnormalities of the dentition, supporting structures, temporomandibular joints, and paranasal sinuses.
- b 9- Interpret the complexities involved in esthetic diagnosis, formulate, and execute treatment plans for esthetic improvement.
- b10- Appraise basic and advanced concepts and principles related to dental and oral implantology.

**c- Practical and Clinical Skills**

- c 1- Apply ethical standards in the provision of dental care.
- c 2- Develop interviewing, diagnosis, and basic treatment planning skills
- c3- Apply the principles of infection control, community dentistry, management, communications, and prevention.
- c 4- Perform the proper management of patients with special needs in light of the presenting complaints and needs along with different oral diseases and any pharmacological action of drugs.
- c 5- Apply basic knowledge in periodontics and enhanced performance skills with management of gingival and periodontal diseases in various age groups.
- c 6- Interpret different oral radiological abnormalities concluding with a differential diagnosis when appropriate.
- c 7- Manage different oral mucosal lesions, and gingival and periodontal diseases affecting the supporting structures of the teeth.
- c 8- Master cavity preparation for different restorations.
- c 9- Apply the principles of placement, hard and soft tissue reconstructions, restorative principles, and maintenance for oral implantology.
- c 10- Manage the appropriate replacement of teeth for the partially or completely edentulous patient.
- c 11- Apply various impression techniques, methods of gingival retraction, occlusion, bite registration records, and practical execution of different fixed prosthodontics.

- c 12- Manage the occlusal problems in the mixed dentition and preventive interceptive measures indicated in their management.
- c 13- Implement proper diagnosis, treatment plan, and management of pedodontics.
- c 14- Execute basic oral surgery procedures, and medical emergencies and perform basic life support measures.

**d- Transferable Skills**

- d 1- Identify the value and role of lifelong learning, self-assessment, and critical thinking with special regard to dealing with personal stress and workload management.
- d 2- Collaborate communication skills with patients, colleagues, other health care professionals, and auxiliary personals with maintaining the quality of practice and management.
- d 3- Encourage team approach to conduct specialized clinical treatment plan for the assigned patients.
- d 4- Use up-to-date information technology to improve self-education through research work to be able to provide contemporary dental care.
- d 5- Develop & enhance students' English language skills: Writing, reading, speaking & listening.
- d 6- Master presentation skills with clear, simple and direct competence

**3- Academic standards**

**3a External references for standards**

**NARS 2009**

**3b Comparison of provision to external references**

**SEE APPENDIX 1**

**4- Curriculum Structures and Contents**

4a programme duration **5 YEARS**

4b Programme structure

Compulsory courses

Code	Course	المقرر
MAN111 MAN122	General Anatomy 1-2	علم التشريح العام
MPS111 MPS122	General Physiology 1-2	علم وظائف الأعضاء

MHS111 MHS122	General Histology 1-2	علم الهستولوجي العام
MMB211 MMB222	Microbiology 1-2	علم الميكروبيولوجي
MPH211 MPH222	Pharmacology 1-2	علم الأدوية والعقاقير
MGP211 MGP222	General Pathology 1-2	علم الباثولوجي العام
MBC111 MBC122	Biochemistry 1-2	علم الكيمياء الحيوية
DOB 111 DOB122	Dental Anatomy and Physiology 1-2	التشريح الوصفي للأسنان
DOB 213 DOB 224	Oral Histology and Embryology 1-2	هستولوجيا الفم و علم الاجنة
DBM211 DBM222	Dental Biomaterials 1-2	خواص المواد الحيوية للأسنان
DNT221	Infection Control	مكافحة العدوى
DOP221 DOP312 DOP323	Oral and Maxillofacial Pathology 1-2-3	باثولوجيا الفم و الفكين
DRD311 DRD322 DRD413 DRD424 DRD515 DRD526	Operative Dentistry 1-2-3-4-5-6	العلاج التحفظي للأسنان
DRA311 DRA322 DRA423	Oral & Maxillofacial Radiology 1-2-3	أشعة الفم والوجه والفكين
DOR311 DOR322	Orthodontics 1-2	تقويم الأسنان
DFP311 DFP322 DFP413 DFP424 DFP515 DFP526	Fixed Prosthodontics 1-2-3-4- 5-6	الاستعاضة السنية المثبتة
DRP311 DRP322 DRP413 DRP424 DRP515 DRP526	Removable Prosthodontics 1-2- 3-4-5-6	الاستعاضة الصناعية المتحركة

DPM321	Oral Diagnosis	تشخيص الفم
MGM316 MGM322	General Medicine 1-2	علم أمراض الباطنة
MGS311 MGS322	General Surgery 1-2	علم الجراحة العامة،
DPM412 DPM423	Oral Medicine 1-2	طب الفم
DEN411 DEN422 DEN513 DEN524	Endodontics 1-2-3-4	علاج الجذور
DPM424 DPM515	Periodontology 1-2	علاج اللثة
DOS411 DOS422 DOS513 DOS524	Oral and Maxillofacial Surgery 1-2-3-4	جراحة الفم و الوجه و الفكين
DPD411	Preventive and Dental Public Health	طب الأسنان الوقائي والصحة العامة للفم
DPD512 DPD523	Pediatric Dentistry 1-2	طب أسنان الأطفال
DPM526	Special Care Dentistry	طب أسنان الحالات الخاصة
DNT512 DNT523	Oral Implantology 1-2	غرس الأسنان

## II- Elective courses:

المجموعة	المقرر	الكود	عدد الساعات المعتمدة
مجموعة A 2 credit hrs	1- ادارة مستشفيات	Hospital Management	2
	2- علوم الكمبيوتر	Computer Science	2
مجموعة B 1 credit hr	1- تنظيم المؤتمرات	Conference Management	1
	2- طرق البحث العلمي	Research Methodology	1
	3- مهارات الاتصال و العرض	Communication and presentation skills	1
	4- علم التصوير في طب الاسنان	Dental Photography	1
	5- طب الاسنان الرقمي	Digital Dentistry	1
	6- تطبيقات الليزر في طب الاسنان	Laser application in Dentistry	1

## 5- Programme courses

### 1<sup>st</sup> year

#### Semester (1)

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact Hours	Credit hours
Dental anatomy and physiology 1	DOB 111	2	3	5	3
General Anatomy 1	MAN111	2	2	4	3
General Histology 1	MHS111	1	2	3	2
General Physiology 1	MPS111	2	2	4	3
Biochemistry 1	MBC111	2	2	4	3
English Language	UNHS1101	2	-----	2	2
		<b>11</b>	<b>11</b>	<b>22</b>	<b>16</b>

#### Semester (2)

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Dental anatomy and Physiology 2	DOB122	2	3	5	3
General Anatomy 2	MAN122	2	2	4	3
General Histology 2	MHS122	1	2	3	2
General Physiology 2	MPS122	2	2	4	3
Biochemistry 2	MBC122	2	2	4	3
Human Rights	UNHS1102	2	-----	2	2
		<b>11</b>	<b>11</b>	<b>22</b>	<b>16</b>

Total credit hours in the 1st year are 32

**2nd year**

**Semester (1)**

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Oral Histology and Embryology 1	DOB 213	2	2	4	3
Dental Biomaterials 1	DBM211	2	2	4	3
Pharmacology 1	MPH211	2	2	4	3
General Pathology 1	MGP211	2	2	4	3
Microbiology 1	MMB211	1	2	3	2
Elective		2	-----	2	2
		11	10	21	16

**Semester (2)**

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Oral Histology and Embryology 2	DOB 224	2	2	4	3
Dental Biomaterials 2	DBM222	2	2	4	3
Pharmacology 2	MPH222	2	2	4	3
General Pathology 2	MGP222	2	2	4	3
Microbiology 2	MMB222	1	2	3	2
Oral and Maxillofacial Pathology 1	DOP221	2	2	4	3
Infection control	DNT221	1	-----	1	1
Elective		1	-----	1	1
		13	12	25	19

**Total credit hours in the 2nd year are 35**



3rd year

Semester (1)

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Removable Prosthodontics. 1	DRP311	1	4	5	3
Fixed prosthodontics.1	DFP311	1	4	5	3
Operative Dentistry 1	DRD311	1	4	5	3
Oral and Maxillofacial Radiology 1	DRA311	1	2	3	2
Orthodontics 1	DOR311	1	2	3	2
Oral and Maxillofacial Pathology 2	DOP312	2	2	4	3
General Medicine I	MGM311	1	2	3	2
General Surgery	MGS311	1	2	3	2
		9	22	31	20

Semester (2)

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Operative Dentistry 2	DRD322	1	4	5	3
Fixed Prosthodontics 2	DFP322	1	4	5	3
Removable Prosthodontics 2	DRP322	1	4	5	3
Oral and Maxillofacial Radiology 2	DRA322	1	2	3	2
Orthodontics 2	DOR322	1	2	3	2
Oral and Maxillofacial Pathology 3	DOP323	1	2	3	2
Oral Diagnosis	DPM321	2	2	4	3
General Medicine	MGM322	1	2	3	2
General Surgery	MGS322	1	2	3	2
		10	24	34	22

Total credit hours in the 3rd year are 42

**4th year**

**Semester (1)**

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Operative Dentistry 3	DRD413	1	2	3	2
Fixed Prosthodontics. 3	DFP413	1	2	3	2
Removable Prosthodontics 3	DRP413	1	2	3	2
Oral Medicine 1	DPM412	2	2	4	3
Endodontics 1	DEN411	1	2	3	2
Preventive Dentistry and Dental Public health	DPD411	2	-----	2	2
Oral and Maxillofacial Surgery 1	DOS411	2	2	4	3
Elective		1		1	1
		<b>11</b>	<b>12</b>	<b>23</b>	<b>17</b>

**Semester (2)**

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Operative Dentistry 4	DRD424	1	2	3	2
Fixed Prosthodontics 4	DFP424	1	2	3	2
Removable Prosthodontics 4	DRP424	1	2	3	2
Oral Medicine 2	DPM423	1	2	3	2
Endodontics 2	DEN422	1	2	3	2
Oral and Maxillofacial Radiology 3	DRA423	2	2	4	3
Oral and Maxillofacial Surgery 2	DOS422	2	2	4	3
Periodontology 1	DPM424	1	2	3	2
		<b>10</b>	<b>16</b>	<b>26</b>	<b>18</b>

**Total credit hours in the 4<sup>th</sup> year are 35**

**5th year**

**Semester (1)**

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Operative Dentistry 5	DRD515	1	4	5	3
Fixed Prosthodontics. 5	DFP515	1	4	5	3
Removable Prosthodontics 5	DRP515	2	4	6	4
Endodontics 3	DEN513	1	2	3	2
Oral and maxillofacial surgery 3	DOS513	2	2	4	3
Pediatric Dentistry 1	DPD512	1	2	3	2
Oral Implantology 1	DNT512	1	2	3	2
Periodontology 2	DPM515	1	2	3	2
		10	22	32	21

**Semester (2)**

Course Name	Course code	Lec. hours	Pract/ clin hours	Contact hours	Credit hours
Operative Dentistry 6	DRD526	1	4	5	3
Fixed Prosthodontics. 6	DFP526	1	4	5	3
Removable Prosthodontics 6	DRP526	1	4	5	3
Endodontics 4	DEN524	1	2	3	2
Oral and Maxillofacial Surgery 4	DOS524	2	2	4	3
Pediatric Dentistry 2	DPD523	1	2	3	2
Special Care Dentistry	DPM526	1	2	3	2
Oral Implantology	DNT523	1	2	3	2
		9	22	31	20

**Total credit hours in the 5<sup>th</sup> year are 41**

**The total credit hours of the program are 185 hrs**

#### **4- Teaching and learning methods**

Small group discussion / Brainstorming.	<b><u>Yes</u></b>
Self-learning	<b><u>Yes</u></b>
Interactive lecture	<b><u>Yes</u></b>
Demonstrations.	<b><u>Yes</u></b>
Research project.	<b><u>Yes</u></b>
Hybrid learning	<b><u>Yes</u></b>

#### **5- Student assessment methods (please select the assessment methods you use)**

a. Written and short answer questions.	<b><u>Yes</u></b>
b. Written and long essay.	<b><u>NO</u></b>
c. Multiple choice questions (MCQ)	<b><u>Yes</u></b>
d. True or false question with justifying answer.	<b><u>Yes</u></b>
e. Practical / OSPE.	<b><u>Yes</u></b>
f. Logbooks.	<b><u>Yes</u></b>

#### **Assessment schedule**

- At the end of the semester.
- Periodic assessments are done throughout the semester, each department according to its schedule.

**Head of Program:** Associate prof. Dr. Mohamed Abd El Hakim.

Date: 9 /2022