



## Programme Specification

### A- Basic Information

University: **Beni-Suef**

Faculty: **Dentistry**

Programme Title: **Bachelor of Dentistry**

Programme type: **5 years programme**

Departments:**12**

Coordinator: **Vice Dean for Student Affairs** (Ass. Prof Dr. Mohamed Abdel Hakim)

External evaluator: **Professor Dr Ehab Saeed Abd El Hameed**

Academic year:**2022-2023**

Last date of programme specifications approval:**10/2022**

### **Departments:**

Oral and Dental Biology
Dental materials
Oral and Dental Pathology
Removable prosthodontics.
Fixed prosthodontics
Operative
Oral surgery and General anesthesia.
Oral Medicine, Periodontology and Oral Diagnosis.
Pediatric dentistry and oral and dental Public health
Orthodontics.
Endodontics
Oral Radiology.

## **B- Professional Information**

### **1- Programme aims**

**Upon completion of this programme students should be able to:**

- Provide Oral health care service including diagnosis treatment plan and management of different oral health problems while maintaining safe, infection-controlled environment within different socioeconomic communities, with special regards 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. Identify 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.
- a2- Describe the biological principles and details of the development, structure, and function of oral and paraoral tissues.
- a3- Identify the oral diseases and their etiological, clinical, radiographic, and pathobiological aspects.
- a4- Interpret the pathophysiology and clinical details of oral surgical problems to aid in the management of surgical patients.
- a5- Describe the prevention and treatment of developmental disorders, trauma and diseases of the teeth and surrounding tissues in children.
- a6- Identify different emergencies that could occur in dental practice.
- a7- Describe and identify the principles of infection control and universal precaution techniques used in dental practice.
- a8- Describe detailed anatomy and morphologic components of teeth and the relationship of anatomic structures to caries formation and tooth restoration.
- a9- Interpret different types of epidemiological studies and their relation to scientific research.
- a10- Relate different types of social and psychological behavior of different patients that can affect dental treatment or be caused by it.

a11- Identify ethical and medico-legal aspects that could be significant to dental and research work.

a12- Identify the structure and normal function of the major body systems and recognize the interrelationships of systemic and oral health in special relevance to head and neck anatomy.

a13- Describe the basic principles of pharmacokinetics and pharmacodynamics, with an emphasis on dental applications.

a14- Interpret principles of basic sciences as general histology, general pathology, basic microbiology, and immunology with emphasis on the relationships to oral diseases.

a15- Identify the principle of clinical internal medicine, the evaluation, and diagnosis of common dermatological, venereal, ophthalmologic, otologic, and sinus disorders with special emphasis on the relationship to oral structures as part of a complex interrelationship with the systemic conditions of the patients.

a16- Interpret the pathophysiology and the clinical details of general surgical problems discussed and reflect their knowledge of the principles of dentistry to aid in the management of surgical patients.

a17- Identify the composition, setting reactions, uses, advantages, and disadvantages of the dental materials.

a18- Identify orthodontic problems in children and adults.

a19- Interpret the difference between diseases affecting the hard tooth and their supporting structures and identify their diagnosis, classification, and different treatment modalities to restore function and esthetics.

a20- Identify basic definitions, nomenclature, instruments used, and principles of cavity preparation and cutting in tooth tissues.

a21- Identify the basic physics of laser and its application in dentistry.

a22- 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, and treat medically complex dental patients.

**b- Intellectual skills:**

b1- Use proper English language and dental terms.

b2- Interpret clinical information to develop a working diagnosis for oral disease conditions.

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.

b4- Manage orthodontic problems by referral, observation or treatment.

b5- Demonstrate sufficient knowledge for prevention of emergency dental cases.

b6- Manage dental emergencies.

b7- Demonstrate sufficient knowledge for the comprehensive treatment and practical case management of different dental cases.

b8- Assess and manage medically complex patients and patients with special needs.

b9- Demonstrate a thorough knowledge of radiologic normal anatomy with description of any observed abnormality(s) of the dentition, supporting structures, the temporomandibular joints, and the paranasal sinuses.

b10- Estimate the complexities involved in esthetic diagnosis, formulate, and execute treatment plans for esthetic improvement.

b11- Appraise basic and advanced concepts and principles related to dental and oral implantology.

b12- Demonstrate basic microscopic anatomical structure and functions of the head, neck, teeth, and various organ systems.

**c- Professional and practical skills:**

c1- Apply ethical standards in the provision of dental care.

c2- Develop interviewing, diagnosis, and basic treatment planning skills along with consultation with other health care professionals.

c3- Apply the principles of community dentistry, management, communications and prevention.

c4- Perform the proper management of the different patients in the light of the presenting complaints and needs, along with different oral diseases and any pharmacological action of drugs.

c5- Apply basic knowledge in periodontics and enhanced performance skills with the management of gingival and periodontal diseases in various age groups.

c6- Interpret different oral radiological abnormalities concluding with a differential diagnosis when appropriate.

c7- Manage different oral mucosal lesions, gingival, and periodontal diseases affecting the supporting structures of the teeth.

c8- Master cavity preparation for different restorations and perform endodontic treatment.

c9- Apply the principles of placement, hard and soft tissue reconstructions, restorative principles, and maintenance for oral implantology.

c10- Manage the replacement of teeth for the partially or completely edentulous patient.

c11- Apply various impression techniques, methods of gingival retraction, occlusion, bite registration records and practical execution of different fixed prosthodontics.

c12- Manage the occlusal problems in the mixed dentition along with indicated preventive and interceptive measures.

c13- Implement rules and discipline of infection control.

**d- General and transferable skills:**

d1- Act as a part of a team to maximize patient gains and minimize the risk of errors.

d2- Collaborate communication methods effectively with other health care professionals and supporting personnel.

d3- Identify the value and role of lifelong learning, self-assessment, and critical thinking in maintaining competency, evaluate personal progress to be able to assess one's weaknesses and strengths, and describe the role and responsibilities as adult learners and at the same time teachers.

d4- Develop a resourceful ethical and scientific-based approach.

d5- Identify the limitation of the current knowledge and clinical abilities leading to better performance.

d6- Identify ethical and skilled responsibility in relation to the surrounding community.

d7- Encourage team approach to conduct specialized clinical treatment plan for the assigned patients.

d8- Use all technological sources effectively for applying evidence-based treatment and professional development.

d9- Use up-to-date information technology to improve self-education through research work to be able to provide contemporary dental care.

d10- Master presentation skills with clear, simple and direct competence.

d11- Identify the importance of quality assurance and management of proper practice.

d12- Show suitable performance through workload priorities arrangement and management of personal stress.

d13- Develop & enhance students' English Language skills: writing, reading, speaking & listening.

### 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:

#### Level/year (1) PREPARATORY YEAR

Tables for the theoretical and clinical hours

Subject		Number of hours		Total	Full Mark
		Theoretical	practical		
Chemistry	SCH1	4	4	8	100
Physics and fundamentals statistics	SPH1	3	2	5	100
Botany and genetics	SBG1	2	2	4	100
Zoology	SZO1	3	4	7	100
English	GEN1	4	-	4	100
		16	12	28	500

Tables for full marks for the theoretical, practical and oral exams.

Subject	Continuous assessment	Theoretical	practical	Full Mark
Chemistry	20	50	30	100
Physics and fundamentals statistics	20	50	30	100
Botany and genetics	20	50	30	100
Zoology	20	50	30	100
English	20	80	-	100
				500

## Level/year (2) FIRST YEAR

Tables for the theoretical and clinical hours

Subject		Number of hours		Total	Full Mark
		Theoretical	practical		
<b>Dental materials</b>	<b>DBM2</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>150</b>
<b>Human Dentition</b>	<b>DDT2</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>150</b>
<b>General physiology</b>	<b>MGP2</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>100</b>
<b>Biochemistry</b>	<b>MBC2</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>100</b>
<b>General Anatomy</b>	<b>MGA2</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>100</b>
<b>General Histology</b>	<b>MGH2</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>100</b>
<b>Total</b>		<b>11</b>	<b>13</b>	<b>24</b>	<b>700</b>

Table for full marks for the theoretical, practical and oral exams.

Subject	Continuous assessment	Theoretical	Oral	Practical	Full Mark
<b>Dental materials</b>	<b>30</b>	<b>60</b>	<b>30</b>	<b>30</b>	<b>150</b>
<b>Human Dentition</b>	<b>30</b>	<b>70</b>	<b>20</b>	<b>30</b>	<b>150</b>
<b>General physiology</b>	<b>20</b>	<b>40</b>	<b>20</b>	<b>20</b>	<b>100</b>
<b>Biochemistry</b>	<b>20</b>	<b>40</b>	<b>20</b>	<b>20</b>	<b>100</b>
<b>General Anatomy</b>	<b>20</b>	<b>40</b>	<b>20</b>	<b>20</b>	<b>100</b>
<b>General Histology</b>	<b>20</b>	<b>40</b>	<b>20</b>	<b>20</b>	<b>100</b>
<b>Total</b>					<b>700</b>

### Level/year (3) SECOND YEAR

Table for the theoretical and clinical hours

Subject	Course codes	Number of hours		Total	Full Mark
		Theoretical	practical		
Conservative technology	Dop3	1	4	5	150
Technology of Removable prosthodontics	Drp3	1	4	5	150
Technology of Fixed prosthodontics	Dfp3	1	4	5	150
Oral biology	Doh3	2	2	4	150
Microbiology	Mmb3	1	2	3	100
Pharmacology	Mph3	2	2	4	100
General pathology	Mgp3	2	2	4	100
<b>Total</b>		<b>10</b>	<b>20</b>	<b>30</b>	<b>900</b>

Table for full marks for the theoretical, practical, and oral exams.

Subject	Continuous assessment	Theoretical	Practical	Oral	Full Mark
Conservative technology	30	60	40	20	150
Technology of Removable prosthodontics	30	60	40	20	150
Technology of Fixed prosthodontics	30	60	40	20	150
Oral biology	30	80	20	20	150
Microbiology	20	40	20	20	100
Pharmacology	20	40	20	20	100
General pathology	20	40	20	20	100
<b>Total</b>					<b>900</b>



**Level/year (4) THIRD YEAR**

Table for the theoretical and clinical hours

Subject	Course codes	Number of hours		Total	Full Mark
		Theoretical	practical		
General Medicine, Skin and venereal diseases	MGM4	2	1	3	100
General Surgery, Ear, nose, and throat (ENT) and Ophthalmology	MGS4	2	1	3	100
Oral Diagnosis, Oral medicine and periodontology	DMP4	2	2	4	150
Oral Pathology	DPO4	3	2	5	150
Orthodontics	DOT4	1	2	3	150
Oral surgery and General anesthesia	DSG4/DSG5	2	2	4	---
Operative dentistry	DOP4/DOP5	1	2	3	---
Removable prosthodontics	DRP4/DRP5	1	2	3	---
Fixed prosthodontics	DFP4/DFP5	1	2	3	---
Endodontics	DEN4/DEN5	1	2	3	---
<b>Total</b>		<b>16</b>	<b>18</b>	<b>34</b>	<b>650</b>

Table for full marks for the theoretical, practical and oral exams.

Subject	Continuous assessment	Theoretical	Practical	Oral	Full Mark
General Medicine, Skin and venereal diseases	20	40+10+10	20		100
General Surgery, Ear, nose, and throat (ENT) and Ophthalmology	20	40+10+10	20		100
Oral Diagnosis, Oral medicine and periodontology	30	60	20	40	150
Oral Pathology	30	80	20	20	150

<b>Orthodontics</b>	<b>30</b>	<b>60</b>	<b>30</b>	<b>30</b>	<b>150</b>
<b>Oral surgery and General anesthesia</b>	<b>60</b>	<b>-</b>			
<b>Operative dentistry</b>	<b>60</b>	<b>-</b>			
<b>Removable prosthodontics</b>	<b>60</b>	<b>-</b>			
<b>Fixed prosthodontics</b>	<b>60</b>	<b>-</b>			
<b>Endodontics</b>	<b>60</b>	<b>-</b>			
<b>Total</b>					<b>650</b>

**Skin diseases subject is given 10 marks and the venereal diseases subject is given 10 marks and the exam is only written**

**Ear, nose, and throat (ENT) subject is given 10 marks and the Ophthalmology subject is given 10 marks and the exam is only written**

### **Level/year (5) FOURTH YEAR**

Tables for the theoretical and clinical hours

<b>Subject</b>		<b>Number of hours</b>		<b>Total</b>	<b>Full Mark</b>
		<b>Theoretical</b>	<b>practical</b>		
<b>Oral Diagnosis, Oral medicine and periodontology</b>	<b>DMP5</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>150</b>
<b>Pediatric dentistry and oral and dental public health</b>	<b>DPP5</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>150</b>
<b>Oral Radiology</b>	<b>DRD5</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>150</b>
<b>Oral surgery and General anesthesia</b>	<b>DSG4/DSG5</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>300</b>
<b>Operative dentistry</b>	<b>DOP4/DOP5</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>300</b>
<b>Removable prosthodontics</b>	<b>DRP4/DRP5</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>300</b>
<b>Fixed prosthodontics</b>	<b>DFP4/DFP5</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>300</b>
<b>Endodontics</b>	<b>DEN4/DEN5</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>300</b>
<b>Total</b>		<b>10</b>	<b>22</b>	<b>32</b>	<b>1950</b>

Table for full marks for the theoretical, practical and oral exams.

Subject	Continuous assessment		Theoretical	Oral	practical	Full Mark
	4 <sup>th</sup> year	3 <sup>rd</sup> Y				
Oral medicine & periodontology	30	----	60	40	20	150
Pediatric dentistry & oral and dental public health	30	-----	60	40	20	150
Oral Radiology	30	----- -	60	40	20	150
Oral surgery & General anesthesia	30	60	120	30	60	300
Operative dentistry	30	60	120	30	60	300
Removable prosthodontics	30	60	120	30	60	300
Fixed prosthodontics	30	60	120	30	60	300
Endodontics	30	60	120	30	60	300
<b>Total</b>						<b>1950</b>

The general anesthesia is given 10 marks.

**4c- Program courses' contents:** See courses' specifications

**5- Teaching and learning methods**

Small group discussion / Brainstorming.
Self-learning
Interactive lecture
Demonstrations.
Research project.

**6- Student assessment methods**

a. Written and short answer question.
b. Written and long essay.
c. Multiple choice questions (MCQ)
d. True or false question with justifying answer.
e. Practical / OSPE.
f. logbooks.

### **Assessment schedule**

- All at the end of the year except for the 2 years courses and the periodic assessment done through the year in each department according to their schedule.

Programme coordinator: Ass. Prof Dr. Mohamed Abdel Hakim

Head of Faculty: Prof Dr. Ahmed FathAllah

Date: 10 / 2022