Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

2024

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: ……**Al– Noor university college**……

Faculty/Institute: ……

Scientific Department: ……**prosthetic dental technologies**……

Academic or Professional Program Name: **bachelor in dental technology**……

Final Certificate Name: …**bachelor dental technician**……

Academic System: **courses for the first and second stages**, **annual for the third and fourth stages**……

Description Preparation Date: **8–2–2024**

File Completion Date:

Signature:
Head of Department Name:

Date:

Signature:
Scientific Associate Name:

Date:

The file is checked by:
Department of Quality Assurance and University Performance
Director of the Quality Assurance and University Performance Department:
Date:
Signature:

1. Program Vision

God created humans in the best form, and it is known that humans are the gateway to measuring the symmetry of the human form. Teeth usually deteriorate due to age or misuse, creating a need in the field for the production of alternative teeth. This need is our vision for this scientific field.

2. Program Mission

The advancement of the dental technology profession and the enhancement of the academic role of technicians involve developing the specialization in dental technology to keep pace with modern developments in this field. These developments should be presented to department students to equip graduates with the ability to use these techniques in replacing missing teeth and other related replacements such as facial and jaw replacements and dental implants.

3. Program Objectives

One of the most important goals of dental technology is to restore smiles to those who have lost them and to remove them from the circle of shyness, empowering them to have teeth as efficient as those they have lost to strengthen factors for maintaining their health.

4. Program Accreditation

Not available

5. **Other external influences**
Ministry of higher education/ Al-Noor university college

6. **Program Structure**				
Program Structure	**Number of Courses**	**Credit hours**	**Percentage**	**Reviews***
Institution Requirements	**32 courses distributed over four stages (annual system)**	**194**	**%100**	**"The course system (170 units) is currently being worked on for the first and second stages."**
College Requirements		**194**	**100%**	**"The course system (170 units) is currently being worked on for the first and second stages."**
Department Requirements		**194**	**%100**	**"The course system (170 units) is currently being worked on**

				for the first and second stages."
Summer Training	**College requirements for graduation**			
Other				

* This can include notes whether the course is basic or optional.

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	**practical**

Study plan / first stage (first course)

Material type	of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, first stage, first course	T
professional	English	4	7	5	2	Dental material (basic)	1
professional	English	4	7	5	2	Dental appliance techniques (basic)	2
professional	English	4	7	5	2	Dental anatomy (basic)	3
professional	English	2	2	-	2	Occupational safety	4
help	English	3	3	-	3	English	5
help	Arabic	1	1	-	1	Human rights and democracy	6
General	Arabic	2	3	2	1	Computer principles 1	7
		20	30	17	13	the total	

Study plan / first stage (second course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, first stage, second course	T
professional	English	4	7	5	2	Dental material (average)	1
professional	English	4	7	5	2	Dental Appliance Techniques (Advanced)	2
professional	English	4	7	5	2	Dental Anatomy (Advanced)	3
help	English	4	6	4	2	General physics	4
General	Arabic	2	2	-	2	Arabic	5
help	Arabic	2	3	2	1	Computer principles 2	6
General	Arabic	1	1	-	1	Crimes of the defunct Baath Party	7
		21	33	21	12	the total	

Study plan / second stage (first course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, second stage, first course	T
professional	English	4	7	5	2	Dental material (advanced)	1
professional	English	4	7	5	2	Complete kit (basic)	2
professional	English	4	7	5	2	Crowns (basic)	3
help	English	3	5	3	2	Oral tissue	4
help	English	4	6	4	2	Chemistry (basic)	5
		19	32	22	10	the total	

Study plan / second stage (second course)

Material type	language Teaching	Units	The number of hours Weekly the average	The number of hours Weekly Practical	The number of hours Weekly Theoretical	Subject The second phase The second course	T
professional	English	4	7	5	2	Partial kit (basic)	1
professional	English	4	7	5	2	Crowns (Advanced)	2
help	English	4	6	4	2	So the mouth smacked him	3
help	English	4	6	4	2	Anatomy of the head and neck	4
help	English	4	6	4	2	Chemistry (Advanced)	5
		20	32	22	10	the total	
Summer training 1 for 30 days (6 practical hours) during the summer vacation							

Study plan / third stage (first course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, third stage, first course	T
professional	English	4	6	4	2	Removable partial denture (medium)	1
professional	English	4	6	4	2	Complete set (medium)	2
professional	English	4	6	4	2	Bridges (basic)	3
professional	English	4	6	4	2	Orthodontics (basic)	4
help	English	2	3	2	1	Oral diseases	5
help	Arabic	2	3	2	1	Computer applications 1	6
		20	30	20	10	the total	

Study plan / third stage (second course)

Material type	of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, third stage, second course	T
professional	English	4	7	5	2	Bridges (Advanced)	1
professional	English	4	7	5	2	Maxillofacial prosthetics (basic)	2
professional	English	4	7	5	2	Orthodontics (medium)	3
help	English	3	5	3	2	Oral bacteria	4
help	English	1	1	-	1	Research methods	5
help	Arabic	2	3	2	1	Computer applications 2	6
		18	30	20	10	the total	
Summer Training 2: for 30 days, 6 practical hours, during the summer vacation							

Study plan / fourth stage (first course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, fourth stage, first course	T
professional	English	4	6	4	2	Removable Partial Denture (Advanced (1))	1
professional	English	4	6	4	2	Complete Kit (Advanced 1)	2
professional	English	4	6	4	2	Crowns and bridges (basic)	3
professional	English	4	6	4	2	Orthodontics (Advanced (1)	4
professional	English	4	6	4	2	Maxillofacial prosthetics (medium)	5
professional	English	4	6	4	2	Dental implants	6
		24	36	24	12	the total	

Study plan / fourth stage (second course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, fourth stage, second course	T
professional	English	4	6	4	2	Removable partial denture (2) advanced)	1
professional	English	4	6	4	2	Complete Kit (Advanced (2))	2
professional	English	4	6	4	2	Crowns and Bridges (Advanced)	3
professional	English	4	6	4	2	Orthodontics (Advanced (2))	4
professional	English	4	6	4	2	Maxillofacial prosthetics (advanced)	5
help	Arabic	2	2	-	2	Professional ethics	6
professional	English	6	6	6	-	Graduation Project	7
		28	38	26	12	the total	

Total total academic units = 170 units ✓

Number of theoretical and practical hours for the curriculum

vocabulary of the Dental Techniques Department

The total is the first course + the second course			The second course		The first course		The number of hours The theory and practice of each Course and stage
Total	practical	theoretical	practical	theoretical	practical	theoretical	
61	38	25	21	12	17	13	The first stage
60	44	20	22	10	22	10	The second phase
60	40	20	20	10	20	10	third level
74	50	24	26	12	24	12	The fourth stage
255	172	89	Number of theoretical and practical hours for all stages				

8. **Expected learning outcomes of the program**	
Knowledge	
Learning Outcomes 1	A graduate of the Department of Dental Technology acquires many skills and knowledge that qualify him to work in the field of the dental industry. Among the educational outcomes that a graduate of this department can obtain are: 1. Basic knowledge in dental sciences: Students gain in-depth knowledge of the anatomy of the mouth, teeth and their functions, dental, gingival and jaw anatomy, and how to deal with dental and prosthodontic problems.

	2. Design and manufacture of dental prostheses: Students learn how to design and manufacture various dental prostheses such as artificial teeth, crowns, bridges, and partial and complete dentures. 3. Use of technology in the dental industry: Students learn about the latest technologies and tools used in the dental industry, such as CAD/CAM techniques, 3D printing, and laser systems. 4. Practical skills: The graduate will have strong practical skills in using various tools and equipment used in the dental industry, including casting, shaping, polishing and correction. 5. Understanding materials and techniques: The graduate gains extensive knowledge of the materials used in the dental industry, such as porcelain, zirconia and dental metals, in addition to a deep understanding of the techniques used in shaping and finishing these materials. 6. Safety and Compliance with Standards: Teaches students about the importance of workplace safety and compliance with standards and legislation relating to the dental industry, including health and environmental instructions. In short, a graduate of the Department of Dental Technology has a comprehensive set of skills and knowledge that qualifies him to work in various fields related to the dental industry and work with doctors and patients to meet their oral health care needs.
Skills	
Learning Outcomes 2	A graduate of the Department of Dental Technology acquires a variety of skills that qualify him to work in the dental industry and provide oral health care, such as: 1. **Dental Fabrication Skills**: Graduates learn how to use dental manufacturing equipment and tools such as mills, mills, and incinerators. They train in shaping, casting and finishing various dental implants.

	2. **CAD/CAM Technology Skills**: Students learn to use modern technology such as computer-aided design and manufacturing (CAD/CAM) systems to create dental prosthetics accurately and efficiently. 3. **Management and organization skills**: Graduates acquire time management and work organization skills, as they learn how to organize their tasks and handle appointment schedules and requests in order to meet patients' needs. 4. **Communication and public relations skills**: Graduates learn how to interact with patients effectively and establish collaborative relationships with doctors and other health work teams. 5. **Maintenance and Repair Skills**: Students acquire skills in maintaining and repairing equipment and tools used in the dental industry, which helps them maintain the efficiency of their equipment and ensure quality production. 6. **Teamwork Skills**: Graduates learn how to work within multidisciplinary teams, participating in the design and implementation of dental treatment plans and collaborating with other dentists and dental technicians. In short, a graduate of the Dental Techniques Department acquires practical and technical skills that enable him to work efficiently in various clinical and laboratory environments in the dental industry.
Learning Outcomes 3	
Ethics	
Learning Outcomes 4	1. **Commitment to Professional Ethics**: Encourage students to adhere to the highest standards of professional and ethical conduct in the dental industry, including full respect for patient privacy and reliability in the handling of medical information. 2. **Social Responsibility**: Enhancing students' awareness of the importance of their role as professionals in improving oral and dental health in society, and encouraging them to participate in relevant community activities and initiatives.

	3. **Commitment to quality and excellence**: Promoting the values of quality and excellence in work, and motivating students to strive to provide the best services in the field of the dental industry. 4. **Continuous learning and improvement of personal skills**: Encouraging students to constantly develop their personal and professional skills, and prepare to keep pace with technological and scientific developments in the field of the dental industry. 5. **Cooperation and teamwork**: Promoting the concept of cooperation and teamwork between students, faculty members, and the medical community, and promoting the values of positive interaction and mutual respect.

9. Teaching and Learning Strategies

Teaching and learning strategies and methods in the dental technology program depend on a range of factors, including the level of students, the nature of the educational materials, available technology, and labor market needs. Among the common strategies and methods that are applied in implementing the program in general:

1. **Practical and applied teaching**: The program is based on providing practical learning opportunities for students through working in dental laboratories and workshops, where they learn about tools and equipment and apply the skills necessary for making dental prostheses.
2. **Use of technology in education**: Modern technologies such as multimedia, virtual simulation, and augmented reality are integrated into learning and teaching processes, which contributes to enhancing students' understanding and skills in the field of dental technology.

3. **Cooperative learning and active participation**: The program encourages interaction between students and the exchange of knowledge and experiences through teamwork on applied projects and tasks.
4. **Comprehensive and continuous assessment**: The program uses various methods to evaluate student performance, including written tests, practical assessments, participation in projects, and comprehensive review assessment.

10. Evaluation methods

There are several assessment methods in the Dental Techniques program that aim to measure student performance and evaluate their achievement of specified learning objectives. Among these methods:

1. **Oral and written assessment**: This type of assessment involves evaluating students' performance through oral conversations, written reports, and presentations. This could be discussing research findings or analyzing clinical cases.

2. **Practical assessment**: This includes assessing students' skills in the practical application of the concepts and skills they have learned, such as designing dental prostheses or handling dental equipment and instruments.

3. **Tests and examinations**: This method includes the use of written or practical tests to measure students' understanding and application of educational materials, and to estimate their level of progress in knowledge and skills.

4. **Practical projects and work**: Students are evaluated through their participation in practical projects that require the application of the knowledge and skills they have learned during the program.

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer

Oral and	Oral medicine and	Ph.D	Assistant Professor	Wael Sheet Hussein Abdullah	Industry techniques
Parasites	Veterinary medicine and surgery	Ph.D	Mr.	Abdul Aziz Jameel, thank you very much	Dental industry techniques
Applied physics	Physics	Ph.D	Assistant Professor	Jamil Muhammad Amin Suleiman Ibrahim	Dental industry techniques
Solid state physics	Physics	Ph.D	Assistant Professor	Sana Mahmoud Hossein Kamel	Dental industry techniques
Analytical chemistry	Chemistry sciences	Ph.D	Assistant Professor	Marwan Muhammad Abdullah Jarjis	Dental industry techniques
Inorganic chemistry	Chemistry sciences	Ph.D	teacher	Muwafaq Khazal Ibrahim Khalil	Dental industry techniques
Forestry development and breeding	Agriculture and forestry	Ph.D	teacher	Talal Taha Ali Sultan	Dental industry techniques
Remote sensitivity	Computer Science	Master's		Akram Abdel Baqi Abdel Rahman Muhammad	Dental industry techniques
Microbiology	Life science	Master's	assistant teacher	Zeina Salem Awfi Muhammad	Dental industry techniques
Veterinary internal and preventive medicine	Veterinary medicine and surgery	Master's	teacher assistant	Muhammad Mahmoud Hamed Abdullah	Dental industry techniques
Veterinary internal and preventive medicine	Veterinary Medicine	Master's	assistant teacher	[illegible]	Dental industry techniques
Microbiology	Life science	Master's	assistant teacher	Samir Majo Khalaf Ali	Dental industry techniques
Microbiology	Life science	Master's	assistant teacher	Sama Munis Saeed Ishaq Azza	Dental industry techniques
Veterinary physiology	Veterinary Medicine	Master's		Abdul Razzaq Imad Abdul Razzaq Abdullah	Dental industry techniques
Dental industry	Dental and Oral Surgery	Master's		Hussein Saad Saeed Ahmed	Dental industry techniques

Names of lecturers

Name, job title, specialty

1 ass.lect. Dalia Mahmoud Noman, Master's lecturer in prosthetic dentistry.

2 ass.lect. Saraa Nabil Mustafa, Master's lecturer in operative dentistry

3 ass.lect. Mustafa Nabil Aziz, Master Lecturer in prosthetic dentistry

4 ass.lect. Yaman Ahed Thanoun, Master's Lecturer in prosthetic dentistry

5 ass.lect. Ashraf Maysar Mohamed, Master's Lecturer in prosthetic dentistry

6 ass.lect. Hussein Talal Abd, Master Lecturer in prosthetic dentistry

7 ass.lect. Saif Muhannad Aziz, Master's Lecturer in operative dentistry

8 ass.lect. Mohamed Nashwan Ghanem, Master's Lecturer in prosthetic dentistry

9 lect. Reem Nateq Abdel Qader, Master's lecturer in prosthetic dentistry

10 ass.lect.. Zainab Essam Jassim, Master's lecturer in Orthodontics

11 A.M.D. Afrah Khazal Shehab, PhD lecturer in orthodontics

Professional Development
Mentoring new faculty members
Orienting new faculty members Orientation of new faculty members is important to ensure their effective performance and integration into the educational work environment. Orientation includes: 1. **Providing training courses and workshops**: Providing targeted training courses for new teachers that cover the various aspects they need, such as effective teaching methods, assessment techniques, and communication with students. 2. **Appointing academic advisors**: Appointing academic advisors for new teachers, who guide and support them in understanding the program goals and requirements, in addition to sharing valuable advice and experiences. 3. *Provide support resources* 4. *Promoting university integration**: Promoting the integration of new faculty members into university life by inviting them to participate in academic meetings and various university events. .

Professional development of faculty members

The academic and professional development plan and arrangements for faculty members depend on several factors and include a set of strategies and activities.

1. **Expecting needs**: The needs of faculty members are determined through opinion polls, performance evaluations, and analyzes of skill and knowledge gaps.

2. **Providing training courses and workshops**: Providing training courses and workshops covering various aspects of teaching, learning, evaluation, and using technology in education.

3. **Developing teaching and learning strategies**: Effective and innovative teaching strategies are developed that include student interaction, encouraging participation, and employing modern educational technologies.

4. **Assessment of learning outcomes**

5. **Participation in scientific research and publication**: Faculty members are encouraged to participate in scientific research and publish the results in peer-reviewed journals and scientific conferences.

6. **Participation in professional development activities**: Faculty members are encouraged to attend workshops and conferences specialized in their academic fields.

7. **Providing guidance and accompaniment programs**: Guidance and accompaniment programs can be provided for new and junior faculty members to help them develop their academic and professional skills.

8. **Continuous evaluation and review**: Academic and professional development programs are regularly reviewed and evaluated to ensure their effectiveness and continuous improvement.

12. Acceptance Criterion

The central admission system of the Ministry of Higher Education and Scientific Research

13. The most important sources of information about the program

1. The official website of the university is www.alnoor.edu.iq.
2. Student guide
3. Courses and study plans
4. Academic conferences and seminars.

14. Program Development Plan

The dental technology program development plan can include several aspects and stages aimed at improving the quality of education and meeting the needs of students and the requirements of the labor market. It includes the following steps:

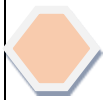
1. *Evaluate the current program through a comprehensive evaluation of the current program to identify strengths, weaknesses, opportunities and threats.
2. Setting goals and priorities: Based on the evaluation results, the program's development goals are determined and priorities are set to focus on.

3. **Developing the curriculum, updating the study materials, and including new content that reflects recent developments in the field of dental industry technologies.
4. **Enhancing infrastructure and resources such as laboratories and equipment, and increasing investment in human and technological resources.

5. **Developing faculty skills**: Professional development opportunities must be provided to faculty members to enhance their educational, research and professional skills.

6. **Enhance interaction with the dental industry by establishing partnerships with industrial institutions and providing training and mentoring opportunities for students.

7. **Providing support for students and strengthening the relationship between students and faculty members

Knowledge				Skills				Ethics			
A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
											

Study plan / first stage (first course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, first stage, first course	T
professional	English	4	7	5	2	Dental material (basic)	1
professional	English	4	7	5	2	Dental appliance techniques (basic)	2
professional	English	4	7	5	2	Dental anatomy (basic)	3
professional	English	2	2	-	2	Occupational safety	4
help	English	3	3	-	3	English	5
help	Arabic	1	1	-	1	Human rights and democracy	6
General	Arabic	2	3	2	1	Computer principles 1	7
		20	30	17	13	the total	

Study plan / first stage (second course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, first stage, second course	T
professional	English	4	7	5	2	Dental material (average)	1
professional	English	4	7	5	2	Dental Appliance Techniques (Advanced)	2
professional	English	4	7	5	2	Dental Anatomy (Advanced)	3
help	English	4	6	4	2	General physics	4
General	Arabic	2	2	-	2	Arabic	5
help	Arabic	2	3	2	1	Computer principles 2	6
General	Arabic	1	1	-	1	Crimes of the defunct Baath Party	7
		21	33	21	12	the total	

Study plan / second stage (first course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, second stage, first course	T
professional	English	4	7	5	2	Dental material (advanced)	1
professional	English	4	7	5	2	Complete kit (basic)	2
professional	English	4	7	5	2	Crowns (basic)	3
help	English	3	5	3	2	Oral tissue	4
help	English	4	6	4	2	Chemistry (basic)	5
		19	32	22	10	the total	

Study plan / second stage (second course)

Material type	language Teaching	Units	The number of hours Weekly the average	The number of hours Weekly Practical	The number of hours Weekly Theoretical	Subject The second phase The second course	T
professional	English	4	7	5	2	Partial kit (basic)	1
professional	English	4	7	5	2	Crowns (Advanced)	2
help	English	4	6	4	2	So the mouth smacked him	3
help	English	4	6	4	2	Anatomy of the head and neck	4
help	English	4	6	4	2	Chemistry (Advanced)	5
		20	32	22	10	the total	
Summer training 1 for 30 days (6 practical hours) during the summer vacation							

Study plan / third stage (first course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, third stage, first course	T
professional	English	4	6	4	2	Removable partial denture (medium)	1
professional	English	4	6	4	2	Complete set (medium)	2
professional	English	4	6	4	2	Bridges (basic)	3
professional	English	4	6	4	2	Orthodontics (basic)	4
help	English	2	3	2	1	Oral diseases	5
help	Arabic	2	3	2	1	Computer applications 1	6
		20	30	20	10	the total	

Study plan / third stage (second course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, third stage, second course	T
professional	English	4	7	5	2	Bridges (Advanced)	1
professional	English	4	7	5	2	Maxillofacial prosthetics (basic)	2
professional	English	4	7	5	2	Orthodontics (medium)	3
help	English	3	5	3	2	Oral bacteria	4
help	English	1	1	-	1	Research methods	5
help	Arabic	2	3	2	1	Computer applications 2	6
		18	30	20	10	the total	
Summer Training 2: for 30 days, 6 practical hours, during the summer vacation							

Study plan / fourth stage (first course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, fourth stage, first course	T
professional	English	4	6	4	2	Removable Partial Denture (Advanced (1))	1
professional	English	4	6	4	2	Complete Kit (Advanced 1)	2
professional	English	4	6	4	2	Crowns and bridges (basic)	3
professional	English	4	6	4	2	Orthodontics (Advanced (1)	4
professional	English	4	6	4	2	Maxillofacial prosthetics (medium)	5
professional	English	4	6	4	2	Dental implants	6
		24	36	24	12	the total	

Study plan / fourth stage (second course)

Material type	Language of instruction	Units	Average number of weekly hours	Number of weekly practical hours	The theoretical number of weekly hours	Study material, fourth stage, second course	T
professional	English	4	6	4	2	Removable partial denture (2) advanced)	1
professional	English	4	6	4	2	Complete Kit (Advanced (2))	2
professional	English	4	6	4	2	Crowns and Bridges (Advanced)	3
professional	English	4	6	4	2	Orthodontics (Advanced (2))	4
professional	English	4	6	4	2	Maxillofacial prosthetics (advanced)	5
help	Arabic	2	2	-	2	Professional ethics	6
professional	English	6	6	6	-	Graduation Project	7
		28	38	26	12	the total	

Total total academic units = 170 units ✓

Please tick the boxes corresponding to the individual program learning outcomes under evaluation.