

**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 Al-Ayen Iraqi University

2025_2026

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.

Academic Program Description Form

University Name: Al-Ayen Iraqi University

Faculty/Institute: ..College of medical and health technology.....

Scientific Department: Cosmetic and laser techniques.....

Academic or Professional Program Name:

Final Certificate Name: ..Master of dermatology;cosmetology and laser.....

Academic System: ...Courses.....

Description Preparation Date: 2025/10/1

File Completion Date: 8/10/2025

Signature:

Head of Department Name:

Road Ajeel

Date: 8/10/2025

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: 15/10/2025

Signature:

Approval of the Dean

13.11.2025

1. Program Vision

The Department of Aesthetic and Laser Techniques will be a distinguished academic and research center at the local and international levels, contributing to the development of the field of Aesthetic and Laser Techniques and providing quality health services.

2. Program Mission

Preparing specialized cadres in the field of Aesthetic and laser techniques capable of providing distinguished medical services, and promoting scientific research to develop medical technologies in a way that contributes to serving society and achieving sustainable development.

3. Program Objectives

1. Providing high-quality education in the field of Aesthetic and laser techniques through an advanced academic environment.
2. Establishing advanced laboratories that allow practical training according to the latest Aesthetic and laser techniques technologies.
3. Encouraging scientific research and creativity in the field of Aesthetic and laser techniques and related specialties.
4. Enhancing cooperation with health institutions and research centers locally and internationally.
5. Qualifying graduates capable of meeting the needs of the labor market and contributing to improving health care.
6. Establishing a virtual aesthetic and laser clinic that simulates what is found in clinics

7. Utilizing artificial intelligence technologies to develop students' skills

4. Program Accreditation

Under preparation

5. Other external influences

Theoretical study, educational laboratories, summer applications

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	6	12	%13	General courses such as (Arabic language, English language, human rights, Baath Party crimes) – materials that support the student academically
College Requirements	1	2	%2	Computer medical terminology,
Department Requirements	18	71	%85	Specialized subjects (general chemistry, human biology, medical physics, organic chemistry, anatomy and histology, skin and hair biology, laser physics, physiology, general and systemic pathology, laser physics and its medical applications, basics and techniques in skin care, pharmacology,

				nutrition (1–2), skin, hair and nail disorders, laser techniques in cosmetology, microbiology. First aid,))
Summer Training	1	2	%3	Practical training in hospitals and private clinics
Other				It does not exist

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

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
First	MTAL1101	General Chemistry	2	4
First	MTAL1102	Human Biology	2	4
First	MTAL1103	Medical Physics	2	4
First	MTAL1104	English	2	
First	MTAL1105	Human Rights and Democracy	2	
First	MTAL1106	Computer Applications	2	2
First	MTAL1201	Organic Chemistry	2	4
First	MTAL1202	Anatomy and Histology	2	4
First	MTAL1203	Skin and Hair Biology	2	4
First	MTAL1204	Laser Physics	2	4
First	MTAL1205	Medical Terms	2	
First	MTAL1206	Arabic Language	2	
Second	MTAL2101	Skin Care Basics and Techniques	2	4
Second	MTAL2102	Laser Physics and Medical Applications	2	4
Second	MTAL2103	Science and the functions of members	2	4
Second	MTAL2104	General Pathology	2	4
Second	MTAL2105	Medicines	2	4
Second	MTAL2106	Nutrition 1	2	2
Second	MTAL2107	Ba'ath Party crimes in Iraq	2	
Second	MTAL2201	Skin, hair, and nail disease disorders	2	4
Second	MTAL2202	Laser and Optical Technologies in Cosmetology	2	4
Second	MTAL2203	Microbiology	2	4
Second	MTAL2204	Systemic Pathology	2	4
Second	MTAL2205	Skin Care Medicines	2	4
Second	MTAL2206	Nutrition 2	2	2
Second	MTAL2207	First Aid	1	2
Second	MTAL2208	Arabic Language	2	

Second	MTAL2209	Computer and Artificial Intelligence	2	
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8. Expected learning outcomes of the program	
Knowledge	
Learning Outcomes 1	Learning Outcomes Statement 1 Understanding the anatomical and functional structure of skin and hair Knowledge of the working principles of lasers and cosmetic techniques Understanding common skin diseases and their complications Knowledge of occupational safety and health rules
Skills	
Learning Outcomes 2	Learning Outcomes Statement 2 Skills Practical skills Operate lasers and cosmetic techniques safely Performing injection techniques (Botox, fillers) Implementing advanced skin care programs Diagnosis of underlying skin conditions Dealing with complications and emergencies Values For professional competencies: · Commitment to professional ethics and laws · Effective communication with customers · Working within a multidisciplinary team · Continuous skills development · Managing the cosmetic clinic efficiently
Learning Outcomes 3	Fourth: Functional outputs: · Certified medical beautician · Laser technician in specialized centers · Cosmetic consultant in hospitals and clinics · Director of cosmetic clinics and medical centers
Ethics	
Learning Outcomes 4	Fifth: Performance indicators: · Customer satisfaction rate · Safety rate in procedures · Success rate in professional tests · Graduate employment rate · Employer evaluation of graduates

	Commitment to updating knowledge and skills through participation in training courses and scientific conferences These outputs ensure the graduation of scientifically and practically qualified specialists, capable of competing in the labor market while adhering to the highest standards of quality and safety
Learning Outcomes 5	These outputs ensure the graduation of scientifically and practically qualified specialists, capable of competing in the labor market while adhering to the highest standards of quality and safety

9. Teaching and Learning Strategies

- Blended learning
- Lectures (Interactive)
- Online Lectures (Interactive)
- Tutorial

- Role play
- Computer-based learning (computers e-learning, free downloadable software usage, Webinar)
- Team-based learning (group discussion, presentation)
- Discussion
- Case study
- Problem solving in aesthetic and laser

10. Evaluation methods

- Knowledge assessment

Analysis of real-life clinical cases (scars, melasma, skin aging)

Theoretical exams on device characteristics and injection techniques

- Skills assessment

Practical testing on simulation models of laser treatment and cosmetic injections

Evaluate the efficiency of using devices and adjust settings

- Clinical evaluation

Monitoring student performance in the clinic with real patients

Assessing diagnostic skills and developing treatment plans

- Professional aspect assessment.

Measuring patient communication skills and explaining treatment protocols

Evaluation of the management of complications and side effects

- Comprehensive evaluation

An achievement file documenting the cases treated by the student

Research projects in advanced cosmetic technologies

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
A P. Dr	Health Biology / Cellular Molecular Biology				1	
M.B.CH.B	Family Medicine				1	
A.P	Skin diseases and cosmetics				1	
A.P	Pharmacy				1	
A.D	Physics				1	
A.P	Public law				1	

Professional Development

Mentoring new faculty members

Professional development of faculty members

1. Participation in training courses held within the college.
2. Participation in professional courses held within the college within the prescribed curricula, as well as professional education courses

12. Acceptance Criterion

This is done according to the acceptance rate in the medical group (College of Medical and Health Technologies) within the electronic form approved by the Ministry of Higher Education and Scientific Research

13. The most important sources of information about the program

Official website of the college or university: Colleges and universities provide a special section on their official websites that contains:

- Description of the study program.
- Curriculum and academic plan.
- Admission and registration requirements.
- Job opportunities after graduation.

Example: Visit the website of the Ministry of Higher Education or the website of the technical university offering the program.

2. Academic evidence

Academic guides published by colleges, such as the Student Guide, contain comprehensive information about the program, objectives, and study plans.

3. Department professors

Communicating with program professors or educational staff is a valuable resource for understanding the nature of the study, its requirements, and its future prospects.

4. Program students and graduates

Current students or future graduates can share their personal experience about the program, its difficulties, and the best ways to succeed.

5. Scientific articles and research

– View research and articles related to cosmetic and laser techniques published in:

– Medical journals.

– Academic databases such as PubMed, Elsevier, Springer.

6. Specialized books and references

– Scientific books on cosmetic and laser techniques, including topics such as:

– Basics of cosmetology and laser.

– Use of devices and technology in cosmetics and lasers.

– Critical case management.

7. Conferences and workshops

– Attending medical conferences or workshops that address the latest developments in the field of cosmetic and laser technologies.

14. Program Development Plan

1. Curriculum development

• Update scientific content:

Adding new courses covering the latest technologies in cosmetics and lasers, such as automated smart cosmetics.

Include specialized courses in emerging fields, such as cosmetic techniques for children and the elderly.

- Alignment with global standards:

Compare curricula with similar international programs and ensure their compatibility with international academic accreditation standards.

- Enhancing the practical aspect:

Increase the hours allocated for practical training in clinics.

2. Infrastructure modernization

- Providing modern laboratories:

Equipping simulation laboratories with advanced beauty systems to train students in real situations.

- Adding new devices and technologies:

Providing devices such as automated anesthesia systems, patient monitoring devices, and mechanical ventilation devices.

3. Promoting practical and applied training

- Partnerships with hospitals and medical centers:

Signing cooperation agreements with leading hospitals and medical centers to provide intensive field training opportunities for students.

4. Building academic staff

- Developing teaching staff skills:

Providing training courses for educational staff on the latest technologies and teaching methods.

- Appointment of new specialists:

Attracting experts and practitioners in the field of cosmetology to teach courses and provide practical experience.

5. Improving scientific research

- Supporting student research:

Encourage students to conduct research on cosmetic and laser techniques and present it at scientific conferences.

6. Developing students' professional and personal skills

- Soft skills education:

Including workshops on communication skills with the medical team and clients.

- Teaching safety and quality principles:

Promoting a culture of patient safety and risk management during cosmetic work.

7. Enhancing job opportunities for graduates

- Establishment of a graduate follow-up office:

Supporting graduates to obtain job opportunities through partnerships with clinics and health centers.

- Organizing recruitment events:

Holding career days that bring students together with employers in the health sector.

8. Integrating technology into education

- E-learning:

Incorporating e-learning and virtualization platforms to teach theoretical and practical courses.

9. Community Outreach

- Increase awareness of the role of anesthesia technicians:

Organizing seminars and awareness campaigns in the community to explain the importance of specializing in cosmetic and laser techniques.

- Continuous training:

Providing continuing education programs for practitioners in the field to update their skills

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
First	MTAL1101	General chemistry	Basic	√	√	√		√	√			√	√		
	MTAL1102	Human biology	Basic	√	√	√	√								
	MTAL1103	Medical physics	Basic	√	√	√	√								
	MTAL1104	English language	Basic	√	√	√	√								
	MTAL1105	Human rights and democracy	Basic	√	√							√	√	√	√
	MTAL1106	computer	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL1201	Organic chemistry	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL1202	Anatomy and histology	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL1203	Skin and hair biology	Basic	√	√	√	√	√	√	√	√	√	√	√	√

	MTAL1204	Laser physics	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL1205	Medical terminology	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL1206	Arabic language	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Second		Skin care basics and techniques	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2101	Laser physics and its medical applications	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2102	Organ dysfunction	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2103	General pathology	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2104	Medicines	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2105	Nutrition	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2106	Crimes of the Baath regime in Iraq	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2107	Skin, hair and nail disease disorders	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MTAL 2201	Laser and optical techniques in cosmetics	Basic	√	√	√	√	√	√	√	√	√	√	√	√

MTAL 2202	For microbiology	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√
MTAL 2203	Systemic pathology	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√
MTAL 2204		Basic	√	√	√	√	√	√	√	√	√	√	√	√	√
MTAL 2205	Skin care medications	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√
MTAL 2206	Nutrition 2	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√
MTAL 2207	First aid	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√
MTAL 2208	Arabic language	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√
MTAL 2209	Computer and artificial intelligence	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√

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