

**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**

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: ALAyen Iraqi National University

Faculty/Institute: College of Health and Medical Technologies

Scientific Department: . Dept. of Anesthesia techniques

Academic or Professional Program Name: College of Health and Medical Technologies/Department of Anesthesia Technologies

Final Certificate Name: Bachelor of Anesthesia Techniques

Academic System: annual

Description Preparation Date:

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:

Approval of the Dean

1. Program Vision

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

2. Program Mission

Preparing specialized cadres in the field of anesthesia 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 anesthesia through an advanced academic environment.
2. Establishing advanced laboratories that allow practical training according to the latest medical technologies.
3. Encouraging scientific research and creativity in the field of anesthesia 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 operating room that simulates what is found in teaching hospitals
7. Utilizing artificial intelligence technologies to develop students' skills

4. Program Accreditation

Under preparation

5. Other external influences

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6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements				
College Requirements				
Department Requirements				
Summer Training				
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours

8. Expected learning outcomes of the program

A.Knowledge

Learning Outcomes	1.Understanding human anatomy, organ functions, and pathophysiology related to anesthesia procedures. 1 2. Knowing the basic principles of the effect of anesthetic and analgesic drugs on different body systems. 2 3. Describe the the types and objectives of anesthesia methods (general, local, and regional) and choosing the appropriate method for each case. 4. Knowing the principles of safety during anesthesia, including the management of complications and understanding international and local protocols in the field of anesthesia.
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B.Skills

Learning Outcomes	1.The ability to assess the health status of patients before surgery, including collecting medical history and conducting necessary examinations. 2.Skills to insert devices such as breathing tubes and intravenous catheters accurately and safely. 3.Monitoring the patient's vital functions during and after the operation, and using modern medical devices. 4. Preparing and injecting anesthetic drugs and controlling appropriate doses according to the case and identifying and managing side effects efficiently.
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C.Ethics	
Learning Outcomes	1.Commitment to the highest standards of quality in providing medical care. 2.Interact with modern developments in the field of anesthesia and healthcare technologies. 3.Act with integrity and honesty in all medical practices. 4.Commitment to updating knowledge and skills through participation in training courses and scientific conferences

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 dissuasion, presentation)

Discussion

Case study

Problem solving

10. Evaluation methods

Midterm and final exam
Evaluations

11.Faculty

Faculty Members

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

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
3. There are specific units within the personal development programme that give students the opportunity and encourage them to engage in professionally relevant qualifications that allow students to reflect on their professional development.

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

1. The 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.
- Curricula 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 that offers the program.

2. Academic guides

Academic guides published by colleges, such as the student guide, which contain comprehensive information about the program, objectives, and study plans.

Department Professors

Communicating with program professors or teaching 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 graduates can share their personal experience about the program, its difficulties, and the best ways to succeed in it.

5. Scientific articles and research

View research and articles related to anesthesia techniques published in:

Medical journals.

Academic databases such as PubMed, Elsevier, Springer.

6. Specialized books and references

Scientific books on anesthesia techniques, including topics such as:

Basics of anesthesia.

Use of devices and technology in anesthesia.

Critical case management.

7. Conferences and workshops

Attend medical conferences or workshops that address the latest developments in the field of anesthesia techniques.

14. Program Development Plan

1. Curriculum Development

• Updating Academic Content:

- Introduce new courses covering advanced anesthesia techniques, such as smart anesthesia and image-guided anesthesia.
- Add specialized courses in emerging fields, such as pediatric and geriatric anesthesia techniques.

• Aligning with Global Standards:

- Benchmark the curriculum against similar international programs and ensure compliance with global accreditation standards.

• Enhancing Practical Training:

- Increase the number of hours dedicated to hands-on training in hospitals

2. Upgrading Infrastructure

- **Modern Laboratories:**

- Equip simulation labs with advanced anesthesia systems to train students for real-world scenarios.

- **Advanced Equipment:**

- Provide state-of-the-art devices, such as automated anesthesia machines, patient monitoring systems, and mechanical ventilators.
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3. Strengthening Practical and Clinical Training

- **Partnerships with Hospitals:**

- Establish agreements with leading hospitals and medical centers to offer students extensive field training opportunities.

- **Advanced Training Programs:**

- Provide specialized training opportunities locally and internationally, such as regional anesthesia and advanced surgical anesthesia.
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4. Faculty Development

- **Skill Enhancement for Instructors:**

- Offer training workshops for faculty members on the latest techniques and teaching methodologies.
 - Recruit professionals and practitioners in the field of anesthesia to enrich the teaching experience and bring practical expertise.
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5. Advancing Scientific Research

- **Encouraging Student Research:**

- Motivate students to conduct research on anesthesia techniques and present their findings at scientific conferences.

6. Developing Students' Professional and Soft Skills

- **Soft Skills Training:**

- Conduct workshops on communication skills for interacting with medical teams and patients.

- **Safety and Quality Principles:**

- Promote a culture of patient safety and risk management during surgeries.
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7. Enhancing Employment Opportunities for Graduates

- **Graduate Follow-Up Office:**

- Support graduates in securing job opportunities through partnerships with hospitals and healthcare facilities.

- **Career Fairs:**

- Organize career fairs to connect students with employers in the healthcare sector.
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8. Integrating Technology in Education

- **E-Learning Platforms:**

- Implement e-learning systems and virtual simulation tools for teaching theoretical and practical

courses.

9. Community Engagement

- **Raising Awareness of Anesthesia Technologists' Role:**
 - Organize seminars and awareness campaigns to highlight the importance of the anesthesia technologist profession.
- **Continuous Education Programs:**
 - Offer continuing education programs for professionals to update their skills and knowledge.

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
Level two	MTAN2007	Pharmacology 1	basic	√	√	√						√	√		

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

Course Description Form

1. Course Name:					
Anesthesia Equipment Techniques					
2. Course Code:					
MTAN4002					
3. Semester / Year:					
year					
4. Description Preparation Date:					
1/9/2025					
5. Available Attendance Forms:					
Full-time and official attendance hours					
6. Number of Credit Hours (Total) / Number of Units (Total)					
Lecture: 2 , Practical: 2 , Total: 4 (2+2)					
7. Course administrator's name (mention all, if more than one name)					
Name: Ass. Prof. Hesham Abdullah Eliwa Email: dr.heshamab@gmail.com					
8. Course Objectives					
This course description provides a summary of the most important characteristics of the course and the learning outcomes that the student is expected to achieve, demonstrating whether he or she has made the most of the learning opportunities available. It must be linked to the program description.					
9. Teaching and Learning Strategies					
Strategy	Blended learning - Lectures (Interactive) - Online Lectures (Interactive) - Role play - Team-based learning (group discussion, presentation) - Discussion - Problem solving				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 & 2	4	A 1 /A2/ A3 C1/ C2	Physiological monitoring: gases,	Lectures (Interactive) Online Lectures (Interactive)	Midterm exams Final exams evaluations

			inspired O ₂ concentration, CO ₂ and volatile anaesthetic agent	Role play Team-based learning (presentation) Discussion Problem solving	
3&4	4	A 1 /A2/ A3 C1/ C2	Measurement of respiratory volume measurement of gases in blood	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
5&6	4	A 1 /A2/ A3 C1/ C2	Automatic recording, advantages and equipments automatic recording	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
7&8	4	A 1 /A2/ A3 C1/ C2	Atmospheric pollution, measurement and control of pollution scavenging system	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
9&10	4	A 1 /A2/ A3 C1/ C2	Medical suction apparatus, component, choice standard and testing	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
11&12	4	A 1 /A2/ A3 C1/ C2	Cleaning sterilization: decontamination, disinfection sterilization	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
13&14	4	A 1 /A2/ A3 C1/ C2	Check list for treatment anaesthetic machine	Lectures (Interactive) Online Lectures (Interactive) Role play	Midterm exams Final exams evaluations

				Team-based learning (presentation) Discussion Problem solving	
15&16	4	A 1 /A2/ A3 C1/ C2	Electrical hazard and their prevention, and accident associated with main electricity supply	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
17&18	4	A 1 /A2/ A3 C1/ C2	Surgical diathermy and accident due to use of diathermy	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
19&20	4	A 1 /A2/ A3 C1/ C2	Defibrillator and pacemaker	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
21&22	4	A 1 /A2/ A3 C1/ C2	Laser: principle and clinical application of laser, and safety spectrum	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
23&24	4	A 1 /A2/ A3 C1/ C2	Equipment for Medical anesthesia, and miscellaneous equipment in anesthesia (urine output equipment)	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion	Midterm exams Final exams evaluations

			peripheral nerve stimulator	Problem solving	
25&26	4	A 1 /A2/ A3 C1/ C2	Electronics anaesthetic machine ergonomics critical incidents electronic control breathing system	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
29&30	4	A 1 /A2/ A3 C1/ C2	Maintenance equipments	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations

11.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	Non
Main references (sources)	Required reading: • CORE TEXTS • COURSE MATERIALS • OTHER
Recommended books and references (scientific journals, reports...)	1. Community-based facilities (include for example, guest Lectures , internship , field studies)
Electronic References, Websites	University educational platform

**Republic of Iraq
Ministry of Higher
Education
& Scientific Research
Al-Ayen Iraqi University
College of Health and Medical
Technologies**



**Al-Ayen Iraqi University
College of Health and Medical
Technologies
department of Anesthesia
Technologies
Quality Assurance Unit
Course Description
Anesthesia 1**

1. Course Name:	
Anesthesia 3	
2. Course Code:	
MTAN4006	
3. Semester / Year: 1st semester	
1st Semester	
4. Description Preparation Date:	
16/01/2025	
5. Available Attendance Forms:	
Delivering theoretical lectures in person with laboratory training	
6. Number of Credit Hours (Total) / Number of Units (Total)	
120 hours (45 hrs. theory + 75 hrs. practical)	
7. Course administrator's name (mention all, if more than one name)	
Name: Lecturer Dr. Nazzal Jabr	
Email: Nizaal ja@alayen.edu.iq	
8. Course Objectives	
General Objective: To familiarize the student with anesthetic agents and equipment used, as well as to prepare the patient before the procedure, monitor them during the procedure, and provide care during the recovery phase. Specific Objective: By the end of the year, the student should be capable of the following: 1. Identifying the different types of anesthetic agents. 2. Administering the required anesthetic doses. 3. Providing care to the patient based on the nature of the procedure. 4. Monitoring the patient during the procedure and during recovery.	
9. Teaching and Learning Strategies	
Strategy	1. Brainstorming strategy and learning through modeling. 2. Teamwork strategy or collaborative learning or discussion. 3. Project-based strategy for problem-solving or problem-based learning. 4. Storytelling strategy and blending different strategies.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	recognizing Critical patient in icu	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
2	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Monitoring in icu	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
3	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Ecg part I	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations
4	6	A 1/A2/A4	Ecg part II	Lectures	Midterm exams

		B1/B2/B3/B4 C1/C2/C3/C4		(Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Final exams evaluations
5	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Ecg part III	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
6	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Defibrillation	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
7	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Fluid management	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based	Midterm exams Final exams evaluations

				learning presentation) Discussion Problem solving	
8	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Blood products	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
9	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Shock	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
10	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Electrolyte disturbance	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations

11	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Acute kidney injury	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
12	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Acute sever asthma	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
13	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Status epilepticus	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
14	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Neuromuscular weakness syndrome	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based	Midterm exams Final exams evaluations

				learning presentation) Discussion Problem solving	
15	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	CPR	Lectures (Interactive) OnlineLecture (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
16	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Hypertension, Atherosclerosis, Heart failure	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.
17&18	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	One lung anaesthesia, Bronchoscopy	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.
19&20	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Diabetes Mellitis Anaesthesia	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.
21&22	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Thyroid surgery & Anaesthesia, Pheochromocytoma	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.
23&24	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	TURP , pyloric stenosis, burn	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.
25&26	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Upper air way obstruction causes anaesthesia	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.
27&28	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Anaphylaxis in the OR	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.
29&30	6	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Control of I.C.P.	Lecture Discussion Laboratory.	Quiz + Direct Question Attendance.

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily

preparation, daily oral, monthly, or written exams, reports etc.

Daily Preparation	Daily Exam	Oral Exam	Monthly Exam	Practical	Final Exam	Total
5	5	5	10	15	60	100

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Clinical anesthesiology ----- Morgan and Mikhail----6th edition 2. Anesthesia for medical students----Oster and Bryce--Smith 3. Clinical anesthesiology----4th edition--- Appleton and Lange
Main references (sources)	British Journal of Anesthesiology
Recommended books and references (scientific journals, reports...)	American Society of Anesthesiologists
Electronic References, Websites	Pub med, Google scholar, Research Gate

**Republic of Iraq
Ministry of Higher
Education
& Scientific Research
Al-Ayen Iraqi University
College of Health and Medical
Technologies**



**Al-Ayen Iraqi University
College of Health and Medical
Technologies
Department of Anesthesia
Technologies
Quality Assurance Unit
Course Description**

1. Course Name:	
Basic of intensive care (2)	
2. Course Code:	
MTAN4003	
3. Semester / Year:	
Semester (1) / 4 TH level	
4. Description Preparation Date:	
9/1/2025	
5. Available Attendance Forms:	
Full-time and official attendance hours	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Lecture: 2 , Practical: 2 , Total: 4 (2+2)	
7. Course administrator's name (mention all, if more than one name)	
Name: Lecture Murtadha Adnan Aliawi Email: murtadha.adnan@alayen.edu.iq	
8. Course Objectives	
General objective: The teaching of the course aims to provide students with knowledge about the basics of dealing with patients and the use and maintenance of intensive care equipment in intensive care units.	Specific objectives: - At the end of the year, the student will be able to: 1- Form a general idea about intensive care, its types and design. 2- Deal with, use and operate intensive care devices. 3- Be able to provide health care and observe the principles of occupational safety for himself and the patient in intensive care. 4- Maintain and follow up on the devices for patient care.
9. Teaching and Learning Strategies	
Strategy	Blended learning - Lectures (Interactive) - Online Lectures (Interactive) - Role play - Team-based learning (group discussion, presentation) - Discussion - Problem solving

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	recognizing Critical patient in icu	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
2	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Monitoring in icu	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
3	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Ecg part I	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
4	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Ecg part II	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion	Midterm exams Final exams evaluations

				Problem solving	
5	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Ecg part III	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
6	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Defibrillation	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
7	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Fluid management	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
8	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Blood products	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
9	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Shock	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning	Midterm exams Final exams evaluations

				presentation) Discussion Problem solving	
10	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Electrolyte disturbance	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
11	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Acute kidney injury	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
12	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Acute sever asthma	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
13	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Status epilepticus	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
14	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	Neuromuscular weakness syndrome	Lectures (Interactive) OnlineLectures (Interact	Midterm exams Final exams

				Role play Team-based learning presentation) Discussion Problem solving	evaluations
15	2	A 1/A2/A4 B1/B2/B3/B4 C1/C2/C3/C4	CPR	Lectures (Interactive) OnlineLectures (Interact Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Non
Main references (sources)	1.Morgan and Mikhail's clinical anesthesiology 6th edition (McGraw 2018) 2.Marino's The ICU Book 4 th edition. 3.Textbook of critical care – jean-louis Vincent; fredre moore (7th edition)
Recommended books and references (scientific journals, reports...)	1.Handbook of ICU Therapy, 3 rd edition.
Electronic References, Websites	University educational platform

**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**

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: ALAyen Iraqi National University

Faculty/Institute: College of Health and Medical Technologies

Scientific Department: . Dept. of Anesthesia techniques

Academic or Professional Program Name: College of Health and Medical Technologies/Department of Anesthesia Technologies

Final Certificate Name: Bachelor of Anesthesia Techniques

Academic System: annual

Description Preparation Date:

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:

Approval of the Dean

1. Program Vision

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

2. Program Mission

Preparing specialized cadres in the field of anesthesia 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 anesthesia through an advanced academic environment.
2. Establishing advanced laboratories that allow practical training according to the latest medical technologies.
3. Encouraging scientific research and creativity in the field of anesthesia 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 operating room that simulates what is found in teaching hospitals
7. Utilizing artificial intelligence technologies to develop students' skills

4. Program Accreditation

Under preparation

5. Other external influences

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6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements				
College Requirements				
Department Requirements				
Summer Training				
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours

8. Expected learning outcomes of the program

A.Knowledge

Learning Outcomes	1.Understanding human anatomy, organ functions, and pathophysiology related to anesthesia procedures. 1 2. Knowing the basic principles of the effect of anesthetic and analgesic drugs on different body systems. 2 3. Describe the the types and objectives of anesthesia methods (general, local, and regional) and choosing the appropriate method for each case. 4. Knowing the principles of safety during anesthesia, including the management of complications and understanding international and local protocols in the field of anesthesia.
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B.Skills

Learning Outcomes	1.The ability to assess the health status of patients before surgery, including collecting medical history and conducting necessary examinations. 2.Skills to insert devices such as breathing tubes and intravenous catheters accurately and safely. 3.Monitoring the patient's vital functions during and after the operation, and using modern medical devices. 4. Preparing and injecting anesthetic drugs and controlling appropriate doses according to the case and identifying and managing side effects efficiently.
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C.Ethics	
Learning Outcomes	1.Commitment to the highest standards of quality in providing medical care. 2.Interact with modern developments in the field of anesthesia and healthcare technologies. 3.Act with integrity and honesty in all medical practices. 4.Commitment to updating knowledge and skills through participation in training courses and scientific conferences

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 dissuasion, presentation)

Discussion

Case study

Problem solving

10. Evaluation methods

Midterm and final exam
Evaluations

11.Faculty

Faculty Members

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

MSc. Amjad abbas ogaib	nursing					
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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
3. There are specific units within the personal development programme that give students the opportunity and encourage them to engage in professionally relevant qualifications that allow students to reflect on their professional development.

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

1. The 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.
- Curricula 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 that offers the program.

2. Academic guides

Academic guides published by colleges, such as the student guide, which contain comprehensive information about the program, objectives, and study plans.

Department Professors

Communicating with program professors or teaching 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 graduates can share their personal experience about the program, its difficulties, and the best ways to succeed in it.

5. Scientific articles and research

View research and articles related to anesthesia techniques published in:

Medical journals.

Academic databases such as PubMed, Elsevier, Springer.

6. Specialized books and references

Scientific books on anesthesia techniques, including topics such as:

Basics of anesthesia.

Use of devices and technology in anesthesia.

Critical case management.

7. Conferences and workshops

Attend medical conferences or workshops that address the latest developments in the field of anesthesia techniques.

14. Program Development Plan

. Curriculum Development

- **Updating Academic Content:**

- Introduce new courses covering advanced anesthesia techniques, such as smart anesthesia and image-guided anesthesia.
- Add specialized courses in emerging fields, such as pediatric and geriatric anesthesia techniques.

- **Aligning with Global Standards:**

- Benchmark the curriculum against similar international programs and ensure compliance with global accreditation standards.

- **Enhancing Practical Training:**

- Increase the number of hours dedicated to hands-on training in hospitals

2. Upgrading Infrastructure

- **Modern Laboratories:**

- Equip simulation labs with advanced anesthesia systems to train students for real-world scenarios.

- **Advanced Equipment:**

- Provide state-of-the-art devices, such as automated anesthesia machines, patient monitoring systems, and mechanical ventilators.

3. Strengthening Practical and Clinical Training

- **Partnerships with Hospitals:**

- Establish agreements with leading hospitals and medical centers to offer students extensive field training opportunities.

- **Advanced Training Programs:**

- Provide specialized training opportunities locally and internationally, such as regional anesthesia and advanced surgical anesthesia.

4. Faculty Development

- **Skill Enhancement for Instructors:**

- Offer training workshops for faculty members on the latest techniques and teaching methodologies.
- Recruit professionals and practitioners in the field of anesthesia to enrich the teaching experience and bring practical expertise.

5. Advancing Scientific Research

- **Encouraging Student Research:**

- Motivate students to conduct research on anesthesia techniques and present their findings at scientific conferences.

6. Developing Students' Professional and Soft Skills

- **Soft Skills Training:**

- Conduct workshops on communication skills for interacting with medical teams and patients.

- **Safety and Quality Principles:**

- Promote a culture of patient safety and risk management during surgeries.

7. Enhancing Employment Opportunities for Graduates

- **Graduate Follow-Up Office:**

- Support graduates in securing job opportunities through partnerships with hospitals and healthcare facilities.

- **Career Fairs:**

- Organize career fairs to connect students with employers in the healthcare sector.

8. Integrating Technology in Education

- **E-Learning Platforms:**

- Implement e-learning systems and virtual simulation tools for teaching theoretical and practical courses.

9. Community Engagement

- **Raising Awareness of Anesthesia Technologists' Role:**

- Organize seminars and awareness campaigns to highlight the importance of the anesthesia technologist profession.

- **Continuous Education Programs:**

- Offer continuing education programs for professionals to update their skills and knowledge.

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
Level Four		Ethics	basic	√								√		√	

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

Course Description Form

1. Course Name:					
(1) Ethics					
2. Course Code:					
3. Semester / Year: Semester					
Semester (1) / second level					
4. Description Preparation Date:					
9/1/2025					
5. Available Attendance Forms:					
Full-time and official attendance hours					
6. Number of Credit Hours (Total) / Number of Units (Total)					
Lecture: 2 , Practical: 2 , Total: 4 (2+2)					
7. Course administrator's name (mention all, if more than one name)					
Name: Ass. Lec. Amjad abbas Ogaib					
Email: amjad141981@gmail.com					
8. Course Objectives					
General objective: The course aims to introduce students of technical colleges to professional ethics according to their technical specialization Familiarize them with it, in the field of their expected work after graduation, and provide them with professional ethical rules that enhance commitment. Specific objective: set by subject teachers (as behavioral objectives) within the framework of the lesson plan One lecture level					
9. Teaching and Learning Strategies					
Strategy	Blended learning - Lectures (Interactive) - Online Lectures (Interactive) - Role play - Team-based learning (group discussion, presentation) - Discussion - Problem solving				
10. Course Structure					
Week	Hours	Required	Unit or subject	Learning	Evaluation

		Learning Outcomes	name	method	method
1	2	A 1 C1/ C3	الوحدة الاولى-الخالق ☐ مفهوم الخالق ومنشأها ☐ القواعد العامة لخالقيات ☐ مصادر الخالقيات ☐ القيم الخالقية ☐ اهمية الخالق للفرد والمجتمع	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
2	2	A 1 C1/ C3	الوحدة الاولى-الاخلاق مفهوم الخالق ومنشأها القواعد العامة لخالقيات مصادر الخالقيات القيم الخالقية اهمية الخالق للفرد والمجتمع	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
3	2	A 1 C1/ C3	لوحة الثانية-العمل والمهنة العمل واهميته سلوكيات العمل مفهوم المهنة تعريف المهنة ق بين مفهوم العمل والمهنة والحرفة لايرر اللتي يجب ان تقوم عليها المهنة	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
4	2	A 1 C1/ C3	لوحة الثالثة-خالقيات المهنة ماهية اخالقيات المهنة ردودات اليجابية لللتزام باخالقيات المهنة خصائص اخالقيات العمل صفات اخالقيات المهنة نوات المستوى المقبول من اخالقيات المهنة	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
5	2	A 1 C1/ C3	حدة الرابعة-القيم واخالقيات المهنة المانة الصدق النصح العدل حسن التعامل التقان العمل	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
6	2	A 1 C1/ C3	حدة الرابعة-القيم واخالقيات المهنة المانة الصدق النصح العدل	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation)	Midterm exams Final exams evaluations

			حسن التعامل التقن العمل	Discussion Problem solving	
7	2	A 1 C1/ C3	وحدة الخامسة-انماط السلوك الغير اخالقي في المهنة 1الفسادالداري السلوك الداري الغير اخالقي تعريف الفساد الداري انواع الفساد الداري 2الرشوة مفهوم الرشوة انواع الرشوة الفرق بين الهدية والرشوة اسباب والدوافع التي تقف وراء الرشوة 3الغش مفهوم الغش طبيعة الغش في العمل مظاهر الغش في اداء الوظيفة	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
8	2	A 1 C1/ C3	وحدة الخامسة-انماط السلوك الغير اخالقي في المهنة الفسادالداري السلوك الداري الغير اخالقي تعريف الفساد الداري انواع الفساد الداري الرشوة مفهوم الرشوة انواع الرشوة الفرق بين الهدية والرشوة اسباب والدوافع التي تقف وراء الرشوة الغش مفهوم الغش طبيعة الغش في العمل مظاهر الغش في اداء الوظيفة	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
9	2	A 1 C1/ C3	وحدة السادسة-وسائل باليب ترسيخ قيم اخالقيات المنه ب ترسيخ اخالقيات المهنة ويات بناء وترسيخ قيات المهنة ئل واساليب ترسيخ قيات المهنة ر التي يجب مراعاتها في اغة الميثاق الخالقي للمهنة فية التي يتم بها تعزيز	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations

			وك الخالقي في العمل وفق (كريتنر وكينكي)		
10	2	A 1 C1/ C3	وحدة السادسة-وسائل واساليب ترسيخ اخالقيات المهنة رب ترسيخ اخالقيات المهنة ويات بناء وترسيخ اخالقيات المهنة ئل واساليب ترسيخ اخالقيات المهنة ور التي يجب مراعاتها في صياغة ثاق الخالقي للمهنة فية التي يتم بها تعزيز السلوك القي في العمل وفق ل (كريتنر (كي	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
11	2	A 1 C1/ C3	الوحدة التاسعة-اخالقيات مارسة المهن الطبية (خاصة كلية التقنية الصحية والطبية) خصائص وصفات التقني الطبي واجبات التقني الطبي تجاه مهنته, المريض, المجتمع حقوق المريض العدالة والمساواة حفاظ على سرية معلومات confidentially الحفاظ على خصوصية المريض informed consent الرعاية الشاملة ضع مصلحة المريض قبل كل اعتبار التواصل مع effective communication حق الطالع على السجلات rights to health records علاقة التقني الطبي مع جتمتع ومسؤوليته تجاه البيئة والسالمة العامة من خالل اللتزام بالقواعد الاساسية للمهنة لمنع انتشار الوبئة الوبئة والامراض وكذلك اهمية دوره في نشر	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations

			الوعي الصحي وطرق منع انتشار الأمراض القوة المهنية : عالقة التقني طبي مع زملائه في المؤسسة الصحية احترام, التعاون , تجنب النقد المرضى, الدقة والمهارة في تقديم الدواء الخلاقيات والبحث الطبي اخلاقيات اجراء التجارب طبية في المؤسسات الصحية العراقية اتفاقية هلسنكي الاخلاقيات التجارب الطبية اخلاقيات كتابة البحث الطبي اخلاقيات التعليم والتعلم على المرضى		
12	2	A 1 C1/ C3	الوحدة التاسعة-اخلاقيات ممارسة المهن الطبية (خاصة أهمية التقنية الصحية والطبية) خصائص وصفات التقني الطبي واجبات التقني الطبي تجاه مهنته, المريض, المجتمع حقوق المريض العدالة والمساواة حفاظ على سرية معلومات confidentially المرضى الحفاظ على خصوصية المريض informed الموافقة المسبقة consent الرعاية الشاملة ضع مصلحة المريض قبل كل اعتبار التواصل مع effective المرضى communication حق الطالع على السجلات rights to health الطبية records عالقة التقني الطبي مع مجتمع ومسؤوليته تجاه البيئة	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning (presentation) Discussion Problem solving	Midterm exams Final exams evaluations

			والسالمة العامة من خلال الالتزام بالقواعد الاساسية للمهنة لمنع انتشار الوبئة الوبئة والامراض وكذلك اهمية دوره في نشر الوعي الصحي وطرق منع انتشار الامراض القة المهنية : عالقة التقني [?] طبي مع زملائه في المؤسسة الصحية احترام, التعاون , تجنب النقد المرضى, الدقة والممانة في تقويم الداء الخالقيات والبحث الطبي [?] اخالقيات اجراء التجارب 0 طبية في المؤسسات الصحية العراقية اتفاقية هلسنكي الخالقيات 0 التجارب الطبية خالقيات كتابة البحث الطبي 0 لقيات التعليم والتعلم على [?] المرضى		
13	2	A 1 C1/ C3	حدة التاسعة-اخالقيات ممارسة المهن لطبية (خاصة بالكلية التقنية الصحية والطبية) خصائص وصفات التقني الطبي [?] واجبات التقني الطبي تجاه مهنته, المريض, المجتمع حقوق المريض [?] العدالة والمساواة 0 الحفاظ على سرية معلومات 0 confidentiallyالمرضى الحفاظ على خصوصية المريض 0 informed الموافقة المسبقة 0 consent الرعاية الشاملة 0 وضع مصلحة المريض قبل كل 0 اعتبار effective التواصل مع المرضى 0 communication حق الطالع على السجلات 0 rights to health recordالطبية عالقة التقني الطبي مع المجتمع [?]	Lectures (Interactive) OnlineLectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations

			مسؤوليته تجاه البيئة والسلامة العامة من خلال الالتزام بالقواعد الاساسية للمهنة لمنع انتشار الوبئة الوبئة والامراض وكذلك اهمية دوره في نشر الوعي الصحي وطرق منع انتشار الامراض عائلة المهنية : عائلة التقني الطبي [?] مع زملائه في المؤسسة الصحية الاحترام, التعاون , تجنب النقد امام مرضى, الدقة والمانة في تقويم الداء الخالقيات والبحث الطبي [?] خالقيات اجراء التجارب الطبية في 0 المؤسسات الصحية العراقية اتفاقية هلسنكي الخالقيات التجارب 0 الطبية اخالقيات كتابة البحث الطبي 0 قيات التعليم والتعلم على المرضى [?]		
14	2	A 1 C1/ C3	حدة التاسعة-اخالقيات ممارسة المهن لطبية (خاصة بالكلية التقنية الصحية والطبية) خصائص وصفات التقني الطبي [?] واجبات التقني الطبي تجاه مهنته, المريض, المجتمع حقوق المريض [?] العدالة والمساواة 0 الحفاظ على سرية معلومات 0 confidentially المرضي الحفاظ على خصوصية المريض 0 informed الموافقة المسبقة consent الرعاية الشاملة 0 وضع مصلحة المريض قبل كل 0 اعتبار effective التواصل مع المرضى 0 communication حق الطالع على السجلات 0 rights to health record الطبية عائلة التقني الطبي مع المجتمع [?] مسؤوليته تجاه البيئة والسلامة العامة من خلال الالتزام بالقواعد الاساسية للمهنة لمنع انتشار الوبئة الوبئة والامراض وكذلك اهمية دوره	Lectures (Interactive) Online Lectures (Interactive) Role play Team-based learning presentation) Discussion Problem solving	Midterm exams Final exams evaluations
15	2	A 1 C1/ C3	حدة التاسعة-اخالقيات ممارسة المهن لطبية (خاصة بالكلية التقنية الصحية والطبية) خصائص وصفات التقني الطبي [?] واجبات التقني الطبي تجاه مهنته, المريض, المجتمع حقوق المريض [?] العدالة والمساواة 0 الحفاظ على سرية معلومات 0 confidentially المرضي الحفاظ على خصوصية المريض 0 informed الموافقة المسبقة consent الرعاية الشاملة 0 وضع مصلحة المريض قبل كل 0 اعتبار effective التواصل مع المرضى 0 communication حق الطالع على السجلات 0 rights to health record الطبية عائلة التقني الطبي مع المجتمع [?] مسؤوليته تجاه البيئة والسلامة العامة من خلال الالتزام بالقواعد الاساسية للمهنة لمنع انتشار الوبئة الوبئة والامراض وكذلك اهمية دوره		

			في نشر الوعي الصحي وطرق منع انتشار الأمراض عالقة المهنية : عالقة التقني الطبي ? مع زمائه في المؤسسة الصحية الاحترام, التعاون , تجنب النقد امام مرضى, الدقة والمانة في تقويم الداء الخالقيات والبحث الطبي ? خالقيات اجراء التجارب الطبية في 0 المؤسسات الصحية العراقية اتفاقية هلسنكي الخالقيات التجارب 0 الطبية اخالقيات كتابة البحث الطبي 0 قيات التعليم والتعلم على المرضى ?		
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11.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	Non
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Laws and the heavenly books
Electronic References, Websites	University educational platform

Course discription: Nursing

Course discription

General Objective: To identify the basic needs of the patient, nursing proces, and assess the patient's health status.

Specific Objective: By the end of the course, the student should be able to:

1. Perform nursing procedures such as assessment, planning, and execution.
2. Care for the patient before, during, and after anesthesia.

1.	Educational Institution	AlAeyn University
2.	Scientific Department / Center	Anesthesia Techniques
3.	Course Name / Code:	Nursing
4.	Available Attendance Forms	100%
5.	Semester / Year:	Annual
6.	Total Study Hours	150 hrs
7.	Date of Preparation of this Description:	2023
8.	Course Objectives To understand the underlying principle behind all nursing intervention procedures related to providing care for adult clients in nursing care.	

10. Course Outcomes, Teaching and Learning Methods, and Assessment Methods.
A. Cognitive Objectives A. Knowledge and Understanding A1. Identify nursing intervention procedures. A2. Describe the methodological approach to analyzing patient problems. A3. Describe basic nursing skills related to various patient conditions. A4. Recognize the principles of medical/surgical asepsis and universal precautions.
B. Skill-based Objectives for the Course. B1. Methodological approach to analyzing patient problems. B2. Nursing intervention procedures. B3. Basic nursing skills related to various patient conditions.
Teaching and Learning Methods
Interactive Online Video-based
Assessment Methods
Exams, quizzes, oral exams, observation, homework assignments, lab reports.
C. Affective and Values-based Objectives •Experimental thinking •Exploratory thinking •Critical thinking •Inductive thinking
Teaching and Learning Methods
Lecture, discussion, student research in an interactive, electronic, and video-based manner.
Assessment Methods
Discussion, observation, group tasks.
D. General and Transferable Skills and Qualifications (Other Related Skills). D1. The student should behave appropriately in front of employers. D2. The student should pass professional exams. D3. The student should develop themselves for post-graduation. D4. The student should use available resources to increase their efficiency.

Department	Anesthesia Techniques	Course Name	Nursing	Year	Forth
Vocabulary Details					
<u>Weak</u>	<u>Details of the vocabulary</u>				
1th	Introduction about nursing .				
2th	Concept of nursing process & stages.				
3-4	Preoperative nursing management & general physical assessment.				
5-6	Pre-anaesthetic , intra anaesthetic and post anaesthetic management of the patient.				
7-8-9	Intraoperative nursing management.				
10-11-12	Nursing care in the recovery room.				
13-14	Post operative nursing care				
15-16-17	Management of the patient in the cardiac care unit				
18-19	Management of the cardiovascular surgery patient				
20-21	Nursing management of intravenous therapy.				
22-23	Management of patient with neurology disfunction (unconscious patient)				
24-25	Management of patient with musculo-skeletal dis- function & trauma , fracture.				
26-27	Critical care of some cases.				
28-29-30	First Aid.				

Department	Anesthesia Techniques	Course Name	Nursing	Year	Forth
Practical Vocabulary					
<u>Weak</u>	<u>Vocabulary Details</u>				
1th	Introduction about nursing .				
2th	Concept of nursing process & stages.				
3-4	Preoperative nursing management & general physical assessment.				
5-6	Pre-anaesthetic , intra anaesthetic and post anaesthetic management of the patient.				
7-8-9	Intraoperative nursing management.				
10-11-12	Nursing care in the recovery room.				
13-14	Post operative nursing care				
15-16-17	Management of the patient in the cardiac care unit				
18-19	Management of the cardiovascular surgery patient				
20-21	Nursing management of intravenous therapy.				
22-23	Management of patient with neurology disfunction (unconscious patient)				
24-25	Management of patient with musculo-skeletal dis- function & trauma , fracture.				
26-27	Critical care of some cases.				
28-29-30	First Aid.				

Infrastructure		
Jr., D. H. L. F., 2012. Introduction to Microsoft Office 2010. 2nd ed. s.l.:World scientific publishing. Mayne, R., 2015. Introduction To Windows. 2nd ed. s.l.:World scientific publishing Thomas Anderson, M. D., 2014. Operating Systems: Principles and Practice. s.l.:University of Texas		
Books and references recommended:		• Scientific Journals • Reports • Scientific Magazines

Course Development Plan
The curriculum development plan is based on the following: • Providing the prescribed scientific material and observing and analyzing student outcomes. • Studying the feedback from students about the vocabulary. • Studying the practical lab observations for the course. • Comparing the current vocabulary with that of competitive colleges in the field.