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

Academic Programme Description

Hillah University

Faculty of Health and Medical Technologies

Department of Anaesthesia Techniques

2025

The name of the university: Hilla University

College/Institute Faculty of Health and Medical Technologies

Scientific Department: Department of Anesthesia Techniques

Name of the academic or professional programe Bachelor of Anesthesia Techniques

Name of the Final Degree Bachelor of Anesthesia Techniques

Study system Semester

Date of Preparation

Date filled:

Signature:

Name of the scientific collaborator:

Date:

Signature:

Name of the head of the department:

Date:

Audit the file by the Quality Assurance and University Performance Division

Name of the official of the Quality Assurance and University Performance Division:

Date

Signature

Approval of the Dean

1. Vision

The department aspires to be a pioneer in the field of technical education at the level of Iraq locally and internationally and in the academic and professional fields.

- Its outputs will be distinguished theoretically and practically by providing the best knowledge programmes in the field of anaesthesia.
- Focusing on the applied aspect of education to make its outputs leaders in the field of anaesthesia.
- Adopting creative and innovative ideas, projects and plans to improve the teaching of anaesthesia techniques.

Degree awarded to the graduate: Bachelor of Anaesthesia Technologist. Graduates will be given the title of Medical Technologist / Anaesthesia.

2. Program Mission

Granting the graduate the title of medical technician / anesthesia and works in the field of anesthesia, clinical monitoring, working on anesthesia devices, and following up patients in operating rooms, intensive care units .and recovery

3. Program Objectives

- Graduates scientific cadres in the speciality.
- The student will be able to contribute to resuscitation and intervention as needed.
- Teach students the skills required to deal with different cases in anaesthesia and intensive care.
- Teach students how to prepare the medicines and solutions required for anaesthesia.
- Enable students to obtain knowledge and understanding of anaesthesia equipment and methods of maintenance.
- Train students to anaesthetise the patient under the supervision of the anaesthesiologist.
- Linking academic study with scientific experience

4. Programmatic Accreditation

The program does not have any accreditation

4. External influences

There is no sponsor for the program

5. Program Structure

Program Structure	Number of cycles	Credit Hours	Percentage	*Reviews
Requirements of the institution	20	60	%37	basic
College Requirements	9	17	%16	basic
Department Requirements	25	277	%46	basic
Summer Training	Second and third			
Other				

Study Plan for the Department of Anesthesia Techniques							
Grades	Course or Course Code	Course Name	Credit Hours				Units
			theoretical	Teaching method	practical	Teaching method	
First Stage First semester	HAST41101	Medical Physics 1	2	Lectures	4	App	4
	HAST41102	Anatomy 1	2	Lectures	**4**	App	**4**
	HAST41103	General Physiology 1	2	Lectures	4	App	4
	HAST41104	General Chemistry	2	Lectures	**4**	App	4
	HAST41105	Biology	2	Lectures	4	App	4
	HAST41106	Computer Principles 1	1	Lectures	2	App	2
	HAST41107	Human Rights and Democracy	2	Promoting Human Values	-		2
	HAST41108	English Language	2	Lectures	-		2
First Stage Second semester	HAST41201	Medical Physics 2	2	Lectures	4	App	4
	HAST41202	Anatomy 2	2	Lectures	4	App	4
	HAST41203	General Physiology 2	2	Lectures	4	App	4
	HAST41209	Biochemistry	2	Lectures	4	App	4
	HAST41210	Microbiology	2	Lectures	4	App	4
	HAST41206	Computer Principles 2	1	Lessons	2	App	2
	HAST41211	Arabic Language	2	Reinforcing Core Values	-		2
Second Stage first semester	HAST42112	Fundamentals of Anaesthesia 1	2	Lectures	4	App	4
	HAST42113	Fundamentals of Anaesthesia 1	2	Lectures	4	App	4
	HAST42114	Applied Physiology 1	2	Lectures	4	App	4
	HAST42115	Foundations of Surgery 1	1	Lectures	4	App	3
	HAST42116	Foundations of Internal Medicine 1	2	Lectures	4	App	4
	HAST42117	Pharmacology 1	2	Lectures	2	App	3
	HAST42118	Medical terminology	2	Lectures	-		2
	HAST42119	Crimes of the Baath regime in Iraq	2	**Promoting Core Values**	-		2
Second Stage second semester	HXRT32212	The Basics of Anaesthesia 2	2	Lectures	4	App	4
	HXRT32213	Fundamentals of Anaesthesia 2	2	Lectures	4	App	4
	HXRT32214	Applied Phlebotomy 2	2	Lectures	4	App	4
	HAST42215	Fundamentals of Surgery 2	1	Lectures	4	App	3
	HAST42216	Foundations of Internal Medicine 2	2	Lectures	4	App	4

	HAST42217	Pharmacology 1	2	Lectures	2	App	3
	HAST42220	Statistics	1	Lectures	2		2
	HAST42211	Arabic language	2	**Promoting Core Values**	-		2
Third Stage First semester	**HAST43121**	Anaesthesia 1	2	Lectures	5	App	4
	HAST43122	Fundamentals of Care	2	Lectures	4	App	4
	HAST43123	Intensive Care 1	2	Lectures	4	App	4
	HAST43124	Anaesthesia Device Techniques	2	Lectures	4	App	4
	HAST43125	Anaesthesia 1	1	Lectures	3	App	2
	HAST43126	Internal Medicine 1	1	Lectures	2	App	2
Third Stage second semester	**HAST43221**	Surgery 1	2	Lectures	5	App	4
	HAST43222	Computer Applications 1	2	Lectures	4	App	4
	HAST43223	Anaesthesiology 2	2	Lectures	4	App	4
	HAST43224	Fundamentals of Intensive Care 2	2	Lectures	4	App	4
	HAST43225	Anaesthesia Techniques 2	1	Lectures	3	App	2
	HAST43226	Internal Medicine 2	1	Lectures	2	App	2
Fourth Stage First semester				Lectures			
	HAST44127	Advanced Anaesthesia 1	2	Lectures	5	App	4
	HAST44128	Advanced Anaesthesia Technician 1	2	Lectures	4	App	4
	HAST44129	Intensive Care Techniques 1	2	Lectures	4	App	4
	HAST44130	Advanced Internal Medicine 1	2	Lectures	3	App	3
	HAST44131	Pain Medicine	2	Lectures	3	App	3
	HAST44132	Professional Ethics	2	Lectures	-		2
Fourth Stage second semester	**HAST44227**	Advanced Anaesthesia 2	2	Lectures	5	App	4
	HAST44228	Advanced Anaesthesia Technician 2	2	Lectures	4	App	4
	HAST44229	Intensive Care Techniques 2	2	Lectures	4	App	4
	HAST44230	Advanced Internal Medicine 2	2	Lectures	3	App	3
	HAST44133	Emergency Medicine	2	Lectures	3	App	3
	HAST44134	Graduation Project	-	Lectures	6		4

1. Expected learning outcomes of the program

Knowledge	
Learning Outcomes	Methods of assessing knowledge and understanding
أ- - :Knowledge and understanding **1- Teaching the student topics related to the specialization of anesthesia techniques** **2- Preparation and functioning of various methods used in anesthesia techniques** **1- Interpret the results obtained from -4 the analysis and the extent to which they match the diagnosis of the condition**	1- Weekly reports of practical experiments 2- Periodic tests of theoretical subjects 3- Theoretical and practical semester exams 4- Theoretical and practical final exams
Skills	
Learning Outcomes	Methods of assessing thinking skills
ب- - : Thinking skills • **Qualifies the student to work in the ,field of anesthesia, clinical monitoring work on anesthesia devices, follow-up patients in operating rooms, intensive .care units and recovery** • **To be distinguished theoretically and practically by providing the best knowledge programs in the field of anesthesia** • **Focusing on the applied aspect of • education to be a distinguished cadre in .the field of anesthesia** • **,Adopting creative and innovative ideas projects and plans in improving the .teaching of anesthesia techniques** • **:Certificate granted to the graduate Bachelor of Anesthesia Technician. The graduate is granted a medical .technician/anesthesia title**	1- Use logic to evaluate the answer 2- Identify errors to evaluate the answer 3- Evaluate the effectiveness of the methods adopted to solve the problem 4- Supporting opinions with evidence
ت- -:Professional and practical skills • **Qualifies students to work as medical technicians in the field of anesthesia techniques** • **Diagnostic in the departments of anesthesia techniques in hospitals and health centers. The student must master the theoretical scientific material**	Statement of Learning Outcomes - : Methods of assessing practical skills Practical skills are assessed through individual differences between .students and the methods specific to each practical subject
Values	
Learning Outcomes	Statement of Learning Outcomes
1- The student should master the basics of civil society	1- Student participation in community events outside the college campus

2- The student should be an active member of the community **3- The student should understand the formulation of research projects** **4- The student should know the ethics of research writing and scientific honesty**	2- Visits community institutions and reviews the conditions of those in them 3- Good selection of titles of research projects, novelty and innovation in the method of presenting them 4- Research projects successfully exceed scientific plagiarism tests

2. Teaching and Learning Strategies
• **Lecture** • **Dialogue and discussion** • **Cooperative learning (division into groups)** • **Brainstorming** • Reciprocal teaching • Publishing lectures on the college or department website and for all teachers and all subjects • Use of display and audio equipment • Writing research and reports in English • Speaking in English in class and when participating • Conducting research and experiments to achieve the goals of sustainable development

3. Evaluation methods
• The direct way to ask and answer it in the lecture • Expected and unannounced daily exams • Evaluating research and evaluating its writing in terms of style, expression and spelling • Ask questions to measure listening and attention in English • Participation of students in evaluating the performance of their fellow students • Practical assessment exams for listening, speaking and reading • Monthly and Quarterly Exams • Theoretical final exams

Professional Development

Mentoring new faculty members

- **Work on diversifying classroom management methods and giving lectures**
- **The new faculty is exposed to the visit of the head of the department and the old teachers during the lectures**
- **Conducting personal interviews to know the teaching competence and skill in teaching**
- **Publishing research in international journals with an impact factor, writing literature, and participating in workshops and conferences**

Professional development of faculty members

.The academic program is reviewed periodically in order to identify and fix its gaps ●
Annual evaluation of each unit from the head of the department or the rapporteur of the ●
.department
.Periodic faculty reviews of the academic program ●
Establishing an external advisory body for the department that includes representatives of the ●
.student and the beneficiaries of this course
.Periodic evaluation by the head of the department for faculty members ●
.Students evaluate the faculty member by electronic referendum ●
.Self-evaluation of the faculty member ●
.The student's evaluation of a stage of study by electronic referendum ●
Coordination with the Quality Division in the college and the university to follow up the application of ●
.the academic program in the department

6. Personal Development Planning

1. .Identify the social determinants of health to reduce disparities in access to quality care
2. ,Self-awareness (self-awareness) 0 Examine and reflect on personal knowledge, skills, abilities, beliefs .prejudices, motivations, and emotions that can enhance or limit personal and professional growth
3. Professionalism 0 Demonstrate behaviors and values consistent with the trust that patients, other .healthcare providers, and the community place in the profession
4. Learner(s) 0 Develop, integrate, and apply knowledge from foundational sciences (e.g. dentistry and social/behavioral/managerial and clinical sciences) to
5. Evaluate the scientific literature, explain pharmacological action, solve therapeutic problems, and .advance the population. Healthcare and patient-centered
6. **Design prevention, intervention and education strategies for individuals and communities to .manage chronic diseases and improve health**
7. Educate all audiences by identifying the most effective and sustainable methods of conveying .information and assessing understanding

7. Acceptance Criteria
1. The general average of central admission, which is within the applicable limits and according to the .directives of the Ministry of Higher Education and Scientific Research 2. Personal interview with students applying for admission and recording speech, behavioral or .personality defects

4. The most important sources of information about the program
The Quality Division in the college through the Quality Division at the university, which adheres to the quality conditions and upgrading the scientific, knowledge, skill and scientific research level according to the data of the Ministry of Higher Education and Scientific Research, which seeks with international quality conditions to raise the efficiency of the academy in line with the .efficiency of the academy

5. Program Development Plan
Work to motivate students to use medical books ● Work on developing conversation, translation and reading skills by taking advantage of ● websites and means .Other contemporary Work to encourage students to know the most important books of medicine ●

Curriculum Skills Chart																		
Required learning outcomes of the programme																		
General and transferable skills (other skills related to employability and personal development)				Affective and Value Objectives				Skill objectives of the programme				Cognitive objectives				Essential or optional	Course name	Course Code	Year/Level
د4	د3	د2	د1	ج4	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1				
√	√	√	√	√	√	√	√	√	√	√	√			√	√		Medical Physics 1	**HAST41**101	**First Stage First semester**
√	√	√	√	√	√	√	√	√	√	√	√			√	√		Anatomy 1	**HAST41**102	
√	√	√	√	√	√	√	√	√	√	√	√			√	□		General Physiology 1	**HAST41**103	
□	□	√	√	□	□	√	√	□	□	□	√			√	√		General Chemistry	**HAST41**104	
□	□	□	√	□	□	√	√	□	□	□	√			√	√		Biology	**HAST41**105	
√	√	√	√	√	√	√	√	□	√	√	√	√	√	√	√		Computer Principles 1	**HAST41**106	
				□	√	√	√	□	√	√	√	√	√	√	√		Human Rights and Democracy	**HAST41**107	
□	□	□	□	□	√	√	√	√	√	√	√	√	√	√	√		English Language	**HAST41**108	
				√	√	√	√	□	√	√	√	□	□	√	√		Medical Physics 2	**HAST41**201	**First Stage second semester**
□	√	□	□	□	√	√	□	□	√	√	□	□	√	√	√		Anatomy 2	**HAST412**02	
□	□	□	□	□	□	√	√	□	□	√	√	□	□	√	√		General Physiology 2	**HAST412**03	
√	√	√	√	√	√	√	√	□	√	√	√	√	√	√	√		Biochemistry	**HAST412**09	
□	□	□	□	□	□	√	√	□	□	√	√	□	√	□	√		Microbiology	**HAST41**210	
□	√	√	√	√	√	√	√	□	√	√	√	√	√	√	√		Computer Principles 2	**HAST41**206	
□	√	√	√	√	√	√	√	□	√	√	√	√	√	√	√		Arabic Language	**HAST41**211	
□	√	√	√	√	√	√	√	□	√	√	√	√	□	□	□		Fundamentals of Anaesthesia 1	**HAST42**112	**Second Stage First semester**
□	√	√	√	√	√	√	√	□	√	√	√	√	√	√	□		Fundamentals of Anaesthesia 1	**HAST42**113	
□	□	□	□	□	□	√	√	□	√	√	√	□	□	√	√		Applied Physiology 1	**HAST42**114	
□	□	□	□	□	□	√	√	□	√	√	√	√	√	√	√		Foundations of Surgery 1	**HAST42**115	
□	□	√	√	□	√	√	√	√	√	√	√	□	□	□	√		Foundations of Internal Medicine 1	**HAST42**116	
□	□	□	□	□	□	√	√	□	□	√	√	□	□	√	√		Pharmacology 1	**HAST42**117	
□	□	√	√	□	□	√	√	□	√	√	√	√	√	√	√		Medical terminology	**HAST42**118	

□	□	√	√	□	□	√	√	□	√	√	√	√	√	√	√		Crimes of the Baath regime in Iraq	**HAST42119**	
□	□	□	√	□	□	√	√	□	√	√	√	□	□	√	√		Fundamentals of Anaesthesia 2	**HXRT**32212	**Second Stage Second semester**
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Fundamentals of Anaesthesia 2	**HXRT**32213	
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	□		Applied Physiology 2	**HXRT**32214	
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Fundamentals of Surgery 2	**HAST4**2215	
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Foundations of Internal Medicine 2	**HAST4**2216	
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Statistics	**HAST42220**	
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Arabic language	**HAST4**2211	
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Anaesthesia 1	**HAST4**3121	**Third Stage First semester**
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Fundamentals of Care	**HAST4**3122	
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Anaesthesia 1	**HAST4**3123	
√	√	√	√	□	□	√	√	□	□	√	√	□	□	√	□		Anaesthesia Techniques	**HAST4**3124	
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	√		Anaesthesia 1	**HAST4**3125	
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	√		Internal Medicine 1	**HAST43126**	
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	√		Surgery 1	**HAST4**3221	**Third Stage Second semester**
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	√		Computer Applications 1	**HAST4**3222	
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	√		Anaesthesiology 2	**HAST4**3223	
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	√		Fundamentals of Intensive Care 2	**HAST4**3224	
□	□	√	√	□	√	√	√	√	√	√	√	√	√	√	√		Anaesthesia Techniques 2	**HAST4**3225	
□	√	√	√	□	□	√	√	√	√	√	□	□	√	√	√		Internal Medicine 2	**HAST43226**	
□	√	√	√	□	□	√	√	√	√	√	□	□	√	√	√		Advanced Anaesthesia 1	**HAST4**4127	**Fourth Stage First semester**
□	√	√	√	□	□	√	√	√	√	√	□	□	√	√	√		Advanced Anaesthesia Technician 1	**HAST4**4128	
□	√	√	√	□	□	√	√	√	√	√	□	□	√	√	√		Intensive Care Techniques 1	**HAST4**4129	
□	√	√	√	□	□	√	√	√	√	√	□	□	√	√	√		Advanced Internal Medicine 1	**HAST4**4130	

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☐	√	√	√	☐	☐	√	√	√	√	√	☐	☐	√	√	√		Professional Ethics	**HAST4**4132	
☐	√	√	√	☐	☐	√	√	√	√	√	☐	☐	√	√	√		Advanced Anaesthesia 2	27**24HAST4**	**Fourth Stage Second semester**
☐	√	√	√	☐	☐	√	√	√	√	√	☐	☐	√	√	√		Advanced Anaesthesia Technician 2	28**24HAST4**	
☐	√	√	√	☐	☐	√	√	√	√	√	☐	☐	√	√	√		Intensive Care Techniques 2	29**24HAST4**	
☐	√	√	√	☐	☐	√	√	√	√	√	☐	☐	√	√	√		Advanced Internal Medicine 2	30**24HAST4**	
☐	√	√	√	☐	☐	√	√	√	√	√	☐	☐	√	√	☐		Emergency Medicine	**3**413**HAST4**	
☐	√	√	√	☐	☐	√	√	√	√	√	☐	☐	√	√	☐		Graduation Project	**4**413**HAST4**	