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

Academic Program and Course Description Guide

2024

Introduction:

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

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

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

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

Concepts and terminology:

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

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

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

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

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

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

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

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

Academic Program Description Form

University Name: Al-kitab university

Faculty/Institute: Faculty of Medical Technology

Scientific Department: Anesthesia techniques

Academic or Professional Program Name: Bachelor's degree in anesthesia

Final Certificate Name: Bachelor's degree in Anesthesia Technology

Academic System:

Description Preparation Date:

File Completion Date:

Signature:

Head of Department Name: Prof ass. Dr. Layth Q. Attarbaw'i

Date:

Signature:

Scientific Associate Name: Dr. Saifaddin S. Ali

Date: 16-Apr-2024

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Al Kitab University
College of Medical Techniques

Approval of the Dean

1. Program Vision

Preparing distinguished medical technical cadres in various fields of health and medical technology, to have a position locally, regionally and internationally in order to provide advanced, high-quality health services to the community.
Training students of the Anesthesia Department on preparing, operating and following up on the organization of anesthesia devices, monitoring and treatment devices in the operating and recovery theater and various intensive care units.
The medical team participates in clinical interventions for emergency and life-threatening cases in its various workplaces (operating theater, recovery, and intensive care units).

2. Program Mission

Providing an educational and technical research environment that stimulates education and creativity that contributes to preparing highly qualified graduates, achieving effective local and international scientific twinning, and strengthening partnerships with sectors of society and international institutions in relevant fields.

3. Program Objectives

Preparing qualified and productive cadres who possess thinking, creativity and learning skills that meet the needs of society and the requirements of the labor market, and contribute to the development and growth of various fields.
Paying attention to scientific research and creating a supportive environment for high-quality applied research at the local, regional and international levels that contribute to addressing the problems faced by labor market sectors.

Developing curricula and study plans to keep pace with rapid developments in the fields of technology and science to meet current and future labor market requirements

Achieving quality standards in educational, research and organizational activities and developing the university's teaching, technical and administrative staff to ensure excellence in performance.

Establishing a culture of continuing education for various sectors of society to meet its requirements, as well as providing services and technical consultations to solve its problems and develop its programs.

Communicating with scientific institutions inside and outside Iraq and exchanging experiences and information according to common goals

4. Program Accreditation

A program based on the Iraqi Ministry of Higher Education and Scientific Research

5. Other external influences

There is no

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.

Department of Anesthesia Techniques

Vocabulary – first course – first stage

Number of Units	Number of Hours			Course Material
	total	practical	theoretical	
4	6	4	2	Medical Physics1
4	6	4	2	Anatomy1
4	6	4	2	General Physiology1
4	6	4	2	Clinical Chemistry1
4	6	4	2	Biology
2	3	2	1	Computer principles 1
2	2	-	2	English Language
1	1	-	1	Human Rights and Democracy1
٢٥	36	22	١٤	Total

Department of Anesthesia Techniques

Vocabulary for the Second Semester First Stage

	Number of Hours	Course Material

Number of Units	total	Practical	Theoretical	
4	6	4	2	Medical Physics 2
4	6	4	2	Anatomy2
4	6	4	2	General Physiology2
4	6	4	2	Biochemistry2
4	6	4	2	Microbiology 2
2	3	2	1	Computer Principles (2)
1	1	-	1	Arabic Language 2
١	١	-	١	Crimes of the defunct Baath Party
24	36	21	15	Total

Department of Anesthesia Techniques
Vocabulary for the first course second stage

Number of Units	Number of Hours			Course Material	t
	total	practical	theoretical		
٤	٦	٤	٢	Anesthesia techniques (1)	١
٤	٦	٤	٢	Anesthesia device techniques (1)	٢
٤	٦	٤	٢	Applied Physiology (1)	٣
٣	٥	٤	١	Foundations of Surgery (1)	٤
٤	٦	٤	٢	Foundations of Internal Medicine (1)	٥
٣	٤	٢	٢	Pharmaceuticals (1)	٦
٢	٢	-	٢	Medical Terminology (1)	٧
٢٤	٣٥	٢٢	١٣	**Total**	

Department of Anesthesia Techniques
Vocabulary second course second stage

Number of Units	Number of Hours			Course Material	t
	total	practical	theoretical		
٤	٦	٤	٢	Anesthesia techniques (2)	١
٤	٦	٤	٢	Anesthesia device techniques (2)	٢
٤	٦	٤	٢	Applied Physiology (2)	٣
٣	٥	٤	١	Foundations of Surgery (2)	٤
٤	٦	٤	٢	Internal Medicine (2)	٥
٣	٤	٢	٢	Pharmaceuticals (2)	٦
٢	٣	٢	١	Statistics (2)	٧
٢٤	٣٦	٢٤	١٢	**Total**	

Department of Anesthesia Techniques / Stage III

Number of Units	Number of Hours			Course Material	t
	total	practical	theoretical		
١١	٨	٥	٣	Anesthesia techniques (2)	١
٩	٧	٥	٢	Intensive Care Techniques (1)	٢
٩	٧	5	2	Anesthesia device techniques (2)	٣
٧	٥	٣	٢	Internal Medicine (2)	٤
٥	4	3	1	Surgery (2)	٥
٤	٣	٢	١	Computer Software (2)	٦
٤	-	-	-	Systematic training (fulfilled)	٧
49	34	٢٣	11	Total	

Department of Anesthesia Techniques / Fourth Stage

Number of Units	Number of Hours			Course Material	t
	total	Practical	theoretical		
٨	٦	٤	٢	Anesthesia techniques (3)	١
٨	٦	٢	٤	Anesthesia device techniques (3)	٢
٨	٦	٤	٢	Intensive Care Technologies (2)	٣
٦	٥	٤	١	Surgical Internal Medicine	٤
٦	٥	٤	١	Nursing	٥
Satisfied	_	_	_	Professional ethics	٦
٤	-	-	-	Graduation Project	٧
٤٠	٢٨	١٨	١٠	Total	

7. Program Description				
Year/Level	**Course Code**	**Course Name**	**Credit Hours**	
			theoretical	**practical**

General Requirements First Stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	2	١	٢	KU MT an111	Computer Principles	١
Arabic	-	١	١	KU MT an112	Human Rights and Democracy	٢
Arabic	-	١	١	KU MT an113	Arabic language	٣
English	_	٢	٢	KU MT an114	English language	٤

	2	٥	٦	Total

Auxiliary requirements for the first stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	٤	2	٤	**KU MT an115**	Clinical Chemistry	١
English	٤	٢	٤	**KU MT an116**	General Biology	٢
English	٤	٢	٤	**KU MT an116**	General physiology	٣
English	٤	٢	٤	**KU MT an116**	Anatomy	٤
English	٤	٢	٤	**KU MT an116**	Medical Physics	٥
	٢٠	١٠	٢٠	Total		

Specialization Requirements Second Stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	٤	2	٤	**KU MT an211**	Foundations of anesthesia	١
English	٤	2	٤	**KU MT an212**	Anesthesia Devices Techniques	٢
	٨	٤	٨	Total		

Auxiliary requirements for the second stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	٤	2	٤	**KU MT an213**	Applied physiology	١
English	٤	١	٣	**KU MT an214**	Basics of surgery	٢
English	٤	٢	٤	**KU MT an215**	Foundations of Internal Medicine	٣

English	٢	٢	٣	**KU MT an216**	Pharmacology	٤
English	_	٢	٢	**KU MT an211**	Medical terminology	٥
English	٢	١	٢	**KU MT an211**	Statistics	٦
	16	10	18	Total		

Specialization requirements for the third stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	**5**	3	11	**KU MT an221**	Foundations of anesthesia	١
English	5	2	9	**KU MT an222**	Anesthesia Devices Techniques	٢
English	5	٢	9	**KU MT an223**	Intensive Care Techniques	٣
	15	7	29	Total		

Auxiliary requirements for the third stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	3	٢	7	**KU MT an224**	Internal Medicine	١
English	3	١	5	**KU MT an225**	Surgery	٢
	6	3	12	Total		

General requirements for the third stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	2	1	4	**KU MT an226**	Computer Applications	١
				Total		

Specialization requirements for the fourth stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	٤	2	8	**KU MT an 401**	Foundations of anesthesia	١
English	2	4	8	**KU MT an 402**	Anesthesia Devices Techniques	٢
English	٤	٢	8	**KU MT an 403**	Intensive Care Techniques	٣
	10	8	24	Total		

Auxiliary requirements for the fourth stage

LANGUAGE	NUMBER OF HOURS		NUMBER OF UNITS	CODE/ NO	COURSE NAME	
	practical	theoretical				
English	٤	1	6	**KU MT an 404**	Surgical Internal Medicine	١
English	4	١	6	**KU MT an 405**	Nursing	٢
English			4	**KU MT an 406**	Graduation Project	٣
	8	2	20	Total		

8. Expected learning outcomes of the program

Knowledge	
1- The mission of the Department of Anesthesia Technologies at Al-Kitab University College is to direct and develop all resources to achieve excellence in education, research and patient care, contributing to improving human health by preventing diseases throughout Iraq and providing services and medical care in the field of anesthesia in accordance with traditions, ethical and professional values. The high 2- The mission of the Anesthesia Techniques Department includes the basic elements in improving patient care in Iraq to include education, scientific research, and continuing education to	Learning Outcomes Statement 1

serve patients in the field of anesthesia by creating a stimulating environment for the acquisition and dissemination of knowledge in the field of anesthesia techniques, and the optimal use of technology. 3- 3- The student must be able to speak and write in an effective, scientific manner in both Arabic and English.	
Skills	
– Graduating specialized cadres to work in anesthesia and intensive care technology magazines in operating theaters as well as in intensive care units and pulmonary resuscitation units by setting up and preparing anesthesia machines and following up on their operating system and care for them, in addition to following up on the patient's condition during anesthesia and under the supervision of the doctor.	Learning Outcomes Statement 2

2 – Preparing cadres with modern education and training in the field of anesthesia to form an important tributary to the profession of anesthesia and intensive care in hospitals. 3 – The anesthesia profession is considered one of the important and sensitive medical specialties, and it is important to provide a broad base of practitioners of this profession in the medical field in general, so that they can be of assistance in working in hospitals and under the supervision of doctors who specialize in anesthesia.	
Learning Outcomes 3	Learning Outcomes Statement 3
Ethics	
The graduate must have scientific and practical responsibility	Learning Outcomes Statement 4
Able to acquire individual skills	Learning Outcomes Statement 5

9. Teaching and Learning Strategies

There are many teaching and learning methods used in the Department of Anesthesia Techniques Engineering, where learning is carried out through theoretical lectures, which are represented by a presentation using (Power Point), group discussions, seminars, and searching for topics and issues via the Internet.

10. Evaluation methods

The department has relied on clear, high-quality assessment methods and tools in order to maintain the good quality of graduates and a high academic reputation. The reputation of graduates is very important because the graduate represents the final product of the teaching process. The most important methods used for evaluation in the department are:

A - Objective tests: The aim of the test is to measure the student's ability to recognize and comprehend scientific facts. This is done using the following:-

- True and false questions.
- Multiple choice questions.
- Interview questions (blank questions).
- Completion questions.

B - Other tests: They are as follows:

- Seminars.
- Scientific lectures, oral dialogue, theoretical semester and final exams, in addition to the practical exam.
- writing reports.
- Field visits .

11. Faculty

Faculty Members

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

Professional Development
Mentoring new faculty members
The teaching staff is directed according to the aforementioned regulations and cadres with high potential are prepared
Professional development of faculty members
This is done by giving weekly seminars and courses to explain modern teaching methods and the procession of global higher education

12. Acceptance Criterion

The Anesthesia Techniques Department is subject to the work mechanism of the Central Admissions Department at the Ministry of Higher Education and Scientific Research, where graduates of preparatory school – scientific branch are nominated for admission to the department.

13. The most important sources of information about the program

The most important sources of information about the Anesthesia Techniques Department program are the following:

- The curriculum approved by the Ministry of Higher Education and Scientific Research

14. Program Development Plan

The focus in the Anesthesia Techniques Department is on continuous improvement and overcoming all difficulties and obstacles that hinder the educational program by developing human resources and developing the personality of employees. The following procedures explain the steps implemented or in the process of implementation in this area:

1. Continuous improvement and development of faculty members through seminars and workshops
2. Increasing national extracurricular activities, such as holding conferences, scientific seminars, and sports activities.
3. Encouraging faculty members to obtain the highest academic and administrative ranks.

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

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

												Second course	The first stage _ the course system
	√	√	√	√	√	√	√	√	**assistant**	**Medical Physics 2**			
	√	√	√	√	√	√	√	√	assistant	**Anatomy2**			
	√	√	√	√	√	√	√	√	assistant	**General Physiology2**			
	√	√	√	√	√	√	√	√	assistant	**Biochemistry2**			
	√	√	√	√	√	√	√	√	assistant	**Microbiology 2**			
	√	√	√	√	√	√	√	√	public	**Computer Applications 2**			
									public	**Arabic Language 2**			
									public	**Crimes of the defunct Baath Party**			
Evaluation methods									**fundamental optional**	**Course Name**	**Course Code**	**Year/Level**	
Other test					**Objective tests**								
	B4	B3	B2	B1	A4	A3	A2	A1					
√	√	√	√	√	√	√	√	√	**Basic**	**Anesthesiology (1)**		First course	Second stage
√	√	√	√	√	√	√	√	√	**Basic**	**Anesthesia devices techniques**			
√	√	√	√	√	√	√	√	√	assistant	**Applied Physiology (1)**			
√	√	√	√	√	√	√	√	√	assistant	**Surgery (1)**			

√	√	√	√	√	√	√	√	√	assistant	**Internal Medicine (1)**			
√	√	√	√	√	√	√	√	√	assistant	**Pharmaceuticals (1)**			
	√	√	√	√	√	√	√	√	**assistant**	**Medical Terminology (1)**			
√	√	√	√	√	√	√	√	√	**Basic**	**Anesthesiology (2)**		**Second course**	**Second stage**
√	√	√	√	√	√	√	√	√	**Basic**	**Anesthesia Techniques (2)**			
√	√	√	√	√	√	√	√	√	assistant	**Applied Physiology (2)**			
√	√	√	√	√	√	√	√	√	assistant	**Surgery (2)**			
√	√	√	√	√	√	√	√	√	assistant	**Internal Medicine (2)**			
√	√	√	√	√	√	√	√	√	assistant	**Pharmaceuticals (2)**			
		√	√	√	√	√	√	√	assistant	**Statistics (2)**			

Evaluation methods									fundamental	Course Name	Course Code	Year/Level	
Other test					Objective tests								
	B4	B3	B2	B1	A4	A3	A 2	A1					
	√	√	√	√	√	√	√	√	**Basic**	**Anesthesiology (2)**		**Annual System**	**Third stage**
	√	√	√	√	√	√	√	√	Basic	**Intensive Care Techniques (1)**			
	√	√	√	√	√	√	√	√	Basic	**Anesthesia Techniques (2)**			
	√	√	√	√	√	√	√	√	assistant	**Internal Medicine (2)**			
	√	√	√	√	√	√	√	√	assistant	**Surgery (2)**			
	√	√	√	√	√	√	√	√	**public**	**Computer Applications (2)**			
	√	√	√	√	√	√	√	√	Basic	**Anesthesiology (3)**		**Annual System**	**Fourth stage**
	√	√	√	√	√	√	√	√	Basic	**Anesthesia Devices Techniques (3)**			
	√	√	√	√	√	√	√	√	Basic	**Intensive Care Technologies (2)**			
	√	√	√	√	√	√	√	√	assistant	**Surgical Internal Medicine**			
	√	√	√	√	√	√	√	√	assistant	**Nursing**			

	√	√	√	√	√	√	√	√	assistant	**Graduation Project**			

Course Description Form

1. Course Name: physics medical 1
2. Course Code:
3. Semester / Year: 2024-2023
4. Description Preparation Date:
5. Available Attendance Forms: physical attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
7. Course administrator's name (mention all, if more than one name)
Name: Email:
8. Course Objectives

Course Objectives	• ….. **At the end of the academic year, the stud** **will be able to: Identify the physi** **phenomena of the five chapters that** **subject addresses and link them to what** **student needs of the medical phenome** **that he observes during his practical l** **Such as blood flow, a device that reads** **heart or brain rate, the temperature of** **human body, and pressures**…… • …..
9. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively particip

	in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, vap pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

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)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

13.	Course Name: physics medical 1
14.	Course Code:
15.	Semester / Year: 2024-2023
16.	Description Preparation Date:

17. Available Attendance Forms: physical attendance
18. Number of Credit Hours (Total) / Number of Units (Total)
19. Course administrator's name (mention all, if more than one name)
Name: Email:
20. Course Objectives

Course Objectives	• ….. **At the end of the academic year, the stud** **will be able to: Identify the physi** **phenomena of the five chapters that** **subject addresses and link them to what** **student needs of the medical phenome** **that he observes during his practical l** **Such as blood flow, a device that reads** **heart or brain rate, the temperature of** **human body, and pressures**…… • …..
21. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.
22. Course Structure	

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4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfer conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom

		About the subjec			Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, vap pressure and boiling po humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

23. 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

24. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

25. Course Name: physics medical 1
26. Course Code:
27. Semester / Year: 2024-2023
28. Description Preparation Date:
29.Available Attendance Forms: physical attendance
30.Number of Credit Hours (Total) / Number of Units (Total)
31. Course administrator's name (mention all, if more than one name)
Name: Email:

32. Course Objectives

Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures**…… • …..

33. Teaching and Learning Strategies

Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

34. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

35. 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

36. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

37. Course Name: physics medical 1	
38. Course Code:	
39. Semester / Year: 2024-2023	
40. Description Preparation Date:	
41.Available Attendance Forms: physical attendance	
42.Number of Credit Hours (Total) / Number of Units (Total)	
43. Course administrator's name (mention all, if more than one name)	
Name: Email:	
44. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads**

	heart or brain rate, the temperature of human body, and pressures…… • …..

45. Teaching and Learning Strategies

Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

46. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion

		Background About the subjec			The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

47. 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

48. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

49. Course Name: physics medical 1	
50. Course Code:	
51. Semester / Year: 2024-2023	
52. Description Preparation Date:	
53.Available Attendance Forms: physical attendance	
54.Number of Credit Hours (Total) / Number of Units (Total)	
55. Course administrator's name (mention all, if more than one name)	
Name: Email:	
56. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures**…… • …..
57. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate

	solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

58. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom

		About the subjec			Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, vap pressure and boiling po humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

59. 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

60. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

61. Course Name: physics medical 1
62. Course Code:
63. Semester / Year: 2024-2023

64. Description Preparation Date:
65. Available Attendance Forms: physical attendance
66. Number of Credit Hours (Total) / Number of Units (Total)
67. Course administrator's name (mention all, if more than one name)
Name: Email:
68. Course Objectives

Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures**…… • …..
69. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

70. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion

		Background About the subjec			The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, vap pressure and boiling po humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

71. 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

72. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

73. Course Name: physics medical 1
74. Course Code:
75. Semester / Year: 2024-2023
76. Description Preparation Date:
77.Available Attendance Forms: physical attendance
78.Number of Credit Hours (Total) / Number of Units (Total)
79. Course administrator's name (mention all, if more than one name)

Name:
Email:

80. Course Objectives

Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures**…… • …..

81. Teaching and Learning Strategies

Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

82. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

83. 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

84. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

85. Course Name: physics medical 1	
86. Course Code:	
87. Semester / Year: 2024-2023	
88. Description Preparation Date:	
89.Available Attendance Forms: physical attendance	
90.Number of Credit Hours (Total) / Number of Units (Total)	
91. Course administrator's name (mention all, if more than one name)	
Name: Email:	
92. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l**

	Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures…… • …..

93. Teaching and Learning Strategies

Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

94. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able	Heat and cold medicine.	Show the Theoretical	By attendan And

		To have enough Background About the subjec		Lecture	Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

95. 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

96. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

97. Course Name: physics medical 1	
98. Course Code:	
99. Semester / Year: 2024-2023	
100. Description Preparation Date:	
101. Available Attendance Forms: physical attendance	
102. Number of Credit Hours (Total) / Number of Units (Total)	
103. Course administrator's name (mention all, if more than one name)	
Name: Email:	
104. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud** **will be able to: Identify the physi** **phenomena of the five chapters that** **subject addresses and link them to what** **student needs of the medical phenome** **that he observes during his practical l** **Such as blood flow, a device that reads** **heart or brain rate, the temperature of** **human body, and pressures**…… • …..
105. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate

	solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

106. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom

		About the subjec			Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, vap pressure and boiling po humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

107. 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

108. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

109.	Course Name: physics medical 1
110.	Course Code:
111.	Semester / Year: 2024-2023

112. Description Preparation Date:	
113. Available Attendance Forms: physical attendance	
114. Number of Credit Hours (Total) / Number of Units (Total)	
115. Course administrator's name (mention all, if more than one name)	
Name: Email:	
116. Course Objectives	
Course Objectives	• ..... **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures**..... • .....
117. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

118. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion

		Background About the subjec			The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, vap pressure and boiling po humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

119. 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

120. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

121. Course Name: physics medical 1
122. Course Code:
123. Semester / Year: 2024-2023
124. Description Preparation Date:
125. Available Attendance Forms: physical attendance
126. Number of Credit Hours (Total) / Number of Units (Total)
127. Course administrator's name (mention all, if more than one name)
Name:

Email:	
128. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures……** • …..
129. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

130. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

131. 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

132. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

133. Course Name: physics medical 1	
134. Course Code:	
135. Semester / Year: 2024-2023	
136. Description Preparation Date:	
137. Available Attendance Forms: physical attendance	
138. Number of Credit Hours (Total) / Number of Units (Total)	
139. Course administrator's name (mention all, if more than one name)	
Name: Email:	
140. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads**

	heart or brain rate, the temperature of human body, and pressures…… • …..

141. Teaching and Learning Strategies

Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

142. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion

		Background About the subjec			The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

143. 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

144. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

145. Course Name: physics medical 1	
146. Course Code:	
147. Semester / Year: 2024-2023	
148. Description Preparation Date:	
149. Available Attendance Forms: physical attendance	
150. Number of Credit Hours (Total) / Number of Units (Total)	
151. Course administrator's name (mention all, if more than one name)	
Name: Email:	
152. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures**…… • …..
153. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities

	attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

154. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

155. 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

156. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

157. Course Name: physics medical 1
158. Course Code:
159. Semester / Year: 2024-2023
160. Description Preparation Date:

161. Available Attendance Forms: physical attendance	
162. Number of Credit Hours (Total) / Number of Units (Total)	
163. Course administrator's name (mention all, if more than one name)	
Name: Email:	
164. Course Objectives	
Course Objectives	• ..... **At the end of the academic year, the stud** **will be able to: Identify the physi** **phenomena of the five chapters that** **subject addresses and link them to what** **student needs of the medical phenome** **that he observes during his practical l** **Such as blood flow, a device that reads** **heart or brain rate, the temperature of** **human body, and pressures**…… • .....
165. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.
166. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom

		About the subjec			Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, vap pressure and boiling po humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

167. 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

168. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

169. Course Name: physics medical 1
170. Course Code:
171. Semester / Year: 2024-2023
172. Description Preparation Date:
173. Available Attendance Forms: physical attendance
174. Number of Credit Hours (Total) / Number of Units (Total)
175. Course administrator's name (mention all, if more than one name)
Name: Email:

176. Course Objectives	
Course Objectives	• ….. **At the end of the academic year, the stud will be able to: Identify the physi phenomena of the five chapters that subject addresses and link them to what student needs of the medical phenome that he observes during his practical l Such as blood flow, a device that reads heart or brain rate, the temperature of human body, and pressures**…… • …..

177. Teaching and Learning Strategies	
Strategy	Cooperative Learning: This approach encourages teamwork a knowledge sharing among students. Students can collaborate solve problems • Interactive lessons: This strategy involves usi interactive methods such as discussions and interactive activities attract student attention and encourage them to actively participa in the lesson. • Participatory assessment: This approach involv involving the student in assessment processes and mutua exchanging observations and comments, which enhances th understanding of the material and helps them improve th performance.

178. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	The student Should be able To have enough Background About the subjec	medical physics	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

2	2	The student Should be able To have enough Background About the subjec	energy, work a power of the boc	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
3	2	The student Should be able To have enough Background About the subjec	Heat and cold medicine.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
4	2	The student Should be able To have enough Background About the subjec	cific heat, heat capa latent heat, thermometer it's kinds, heat transfe conduction, convection radiation. Regulation of through the human body	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
5	2	The student Should be able To have enough Background About the subjec	le's law, diffusion mixing of gases.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
6	2	The student Should be able To have enough Background About the subjec	Physics of lung breathing.	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture
7	2	The student Should be able To have enough Background About the subjec	poration of liquids, va pressure and boiling p humidity, laminar trubulant flow in liquid	Show the Theoretical Lecture	By attendan And Discussion The outcom Of lecture

179. 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

180. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	