

Course Description Form

1. Course Name:	
Medical physics	
2. Course Code:	
3. Semester / Year:	
semesters	
4. Description Preparation Date:	
20/2/2024	
5. Available Attendance Forms:	
Attendance in theory halls and practical lab	
6. Number of Credit Hours (Total) / Number of Units (Total)	
105/year (45 theory+60 practical)	
7. Course administrator's name (mention all, if more than one name)	
Assistant professor Dr: Ghania Salim Ghadban ghania.ghadban@uobasrah.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> • 1) Correct and applied knowledge of the use of medical devices • 2) Correct and applied knowledge of measuring blood pressure, pulse and hearing. • 3) Correct and applied knowledge of body electricity • 4) Correct and applied knowledge of using lenses and examining hearing and vision. • 5) Correct and applied knowledge of the operation of medical devices.
9. Teaching and Learning Strategies	
Strategy	1- Educational strategy, collaborative concept planning. 2- Brainstorming education strategy. 3- Education Strategy Notes Series
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	1		Terminology ,Modeli Measurement	Lectures practical	Questions discussion
2	1		Thermoregulation &Heat cold in Medicine		
3	1		Pressure in body		
4	1		Physics of CVS		
5	1		Physics of CVS		
6	1		Light in Medicine		
7	1		Laser		
8	1		Physics of eyes and vision		
9	1		Physics of eyes and vision		
10	1		Body electricity		
11	1		Body electricity		
12			Final exam		
13			Final exam		
14					
15					
1	2		Sound and hearing	Lectures practical	Questions discussion
2	2		Sound and hearing		
3	2		Sound and hearing		
4	2		Physics of radiation		
5	2		Physics of radiation		
6	2		Physics of nuclear medicine		
7	2		Physics of nuclear medicine		
8	2		Physics of X ray		
9	2		Physics of X ray		
10	2		Radiation protection		
11	2		Electricity and magnetism medicine		
12	2		Electricity and magnetism medicine		
13	2		Final exam		
14			Final exam		
15					

11. Course Evaluation

- 1) Formative exams
- 2) Summative exams
 - mid-semester exam 30 marks (10 mark practical and 20 marks theory)
 - final-semester exam 70 marks (20 mark practical and 50 marks theory)

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Text book of Medical physics
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Internet sources You-tube lectures