
ATTACHMENT 2 (g)

Course Report

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

7

**COURSE REPORT
(CR)**

Medical Physics (312 Phys-1)

A separate Course Report (CR) should be submitted for every course and for each section or campus location where the course is taught, even if the course is taught by the same person. Each CR is to be completed by the course instructor at the end of each course and given to the program coordinator

A combined, comprehensive CR should be prepared by the course coordinator and the separate location reports are to be attached.

Course Report

For guidance on the completion of this template refer to the NCAAA handbooks or the NCAAA Accreditation System help buttons.

Institution Najran University	Date of Course Report ١٠/08/1438 H
College/ Department Applied Medical Sciences/Physiotherapy	

A. Course Identification and General Information

1. Course title Medical Physics,	Code # (312phys-1)	Section # 145				
2. Name of course instructor Dr. Mohammed Khalil Saeed		Location				
3. Year and semester to which this report applies. 1437-1438 H, 2nd semester						
4. Number of students starting the course?	<input type="text" value="6"/>	Students completing the course? <input type="text" value="6"/>				
5. Course components (actual total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	17	0	0	0	0	17
Credit	17	0	0	0	0	17

B. - Course Delivery

1. Coverage of Planned Program			
Topics Covered	Planned Contact Hours	Actual Contact Hours	Reason for Variations if there is a difference of more than 25% of the hours planned
Basic of radiation physics	2	2	No Variation
Essential physics of nuclear medicine	2	2	No Variation
Essential physics of diagnostic radiology	4	4	No Variation
Magnetic resonance imaging (MRI)	2	2	No Variation

Biological effects of radiation	2	2	No Variation
Biomedical measurements	2	2	No Variation
Physics of Radiotherapy	3	3	No Variation

2. Consequences of Non Coverage of Topics

For any topics where the topic was not taught or practically delivered, comment on how significant you believe the lack of coverage is for the course learning outcomes or for later courses in the program. Suggest possible compensating action.

Topics (if any) not Fully Covered	Effectuated Learning Outcomes	Possible Compensating Action
All topics was covered		

3. Course learning outcome assessment.

	List course learning outcomes	List methods of assessment	Summary analysis of assessment results
1.0	Knowledge By the end of this course, the student should be able to:		
1.1	Describe the basics of applied radiation physics such as <ul style="list-style-type: none"> - Atomic mass number - Binding energy - Radioactivity - Half life 	1) Continuous assessment 2) Final exam	100% of the students understood the Knowledge of application of physics in Medicine.
1.2	Describe the use of the above terms as it relates to the study and practice of medicine	1) Continuous assessment 2) Final exam	100% of the students understood the Knowledge of application of physics in

			Medicine.
1.3	Recognize the basics of <ul style="list-style-type: none"> - Radiation physics - Nuclear medicine - Thermography - Diagnostic radiology and the equipment used in it - Magnetism in medicine Physics of radiotherapy	1) Continuous assessment 2) Final exam	100% of the students understood the Knowledge of application of physics in Medicine.
2.0	Cognitive Skills By the end of this course the students are expected to:		
2.1	Explain the medical physics quantities such as Standard International metric units of activity and pressure, and thermodynamics.	<ul style="list-style-type: none"> - Continuous Assessment - End of Course Exam 	83% of the students acquired the cognitive skills of application of physics in Medicine.
2.2	Explain the use of the physical principles underlying nuclear medicine, thermography, diagnostic radiology, magnetic resonance imaging (MRI), and radiotherapy in medicine citing examples.	<ul style="list-style-type: none"> - Continuous Assessment - End of Course Exam 	83% of the students acquired the cognitive skills of application of physics in Medicine.
3.0	Interpersonal Skills & Responsibility By the end of this course the students are expected to:		
3.1	<ul style="list-style-type: none"> • Analyze positively, work as a team, be patient, be sensitive to and respect others, appreciate opposing views, acquire a problem solving approach to current issues. 	<ul style="list-style-type: none"> - Continuous assessment 	83% of the students acquired the interpersonal skills and responsibility of application of physics in Medicine.
4.0	Communication, Information Technology, Numerical By the end of the course, the students should be able to:		
4.1	Illustrate efficiently the different knowledge resources including the library and websites.	<ul style="list-style-type: none"> - Continuous assessment - End of course exam. 	83% of the students acquired the communication, information technology and numerical skills of application of physics in Medicine.

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4.2	Calculate the mathematically and statistically, and solve problems in topics of radioactivity , etc.	<ul style="list-style-type: none"> - Continuous assessment - End of course exam. 	83% of the students acquired the communication, information technology and numerical skills of application of physics in Medicine.
5.0	Psychomotor		
5.1	N/A	N/A	N/A
5.2			

Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above.

Use computers to improve the interpersonal skills and responsibility

4. Effectiveness of Planned Teaching Strategies for Intended Learning Outcomes set out in the Course Specification. (Refer to planned teaching strategies in Course Specification and description of Domains of Learning Outcomes in the National Qualifications Framework)

List Teaching Methods set out in Course Specification	Were these Effective?		Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties.
	No	Yes	
Lectures		*	No
Group seminars.		*	No
Solving problems		*	No

Handouts and self-study		*	No
Assignments		*	No
Tutorial		*	No

Note: In order to analyze the assessment of student achievement for each course learning outcome, student performance results can be measured and assessed using a KPI, a rubric, or some grading system that aligns student work, exam scores, or other demonstration of successful learning.

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Explanation of Distribution of Grades
A	0	0.0	
B	١	16.7	The grade of 0 students range between 80 and 89 marks
C	٤	66.7	The grade of students range between 70 and 79 marks. Attending classes 90%, moderate marks in Midterm, lab and Final Exams
D	١	16.7	The grade of students range between 60 and 69 marks. Attending classes less than 90%, low marks in Midterm, lab and Final Exams
F	٠	٠	
Denied Entry	٠	0.0	
In Progress	0	0.0	
Incomplete	٠		
Pass	6	100	Fulfilled the criteria (above 60 out of 100)
Fail	0	0.0	
Withdrawn	0	0.0	

2. Analyze special factors (if any) affecting the results

All statistical results show normal distribution, and no special factors.

3. Variations from planned student assessment processes (if any) (see Course Specifications).

a. Variations (if any) from planned assessment schedule (see Course Specification)

Variation	Reason
No variation	

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b. Variations (if any) from planned assessment processes in Domains of Learning (see Course Specification)	
Variation	Reason
No variation	

4. Student Grade Achievement Verification (eg. cross-check of grade validity by independent evaluator).	
Method(s) of Verification	Conclusion
Cross-check of grade validity	No variation

D. Resources and Facilities

1. Difficulties in access to resources or facilities (if any)	2. Consequences of any difficulties experienced for student learning in the course.
No difficulties	

E. Administrative Issues

1 Organizational or administrative difficulties encountered (if any)	2. Consequences of any difficulties experienced for student learning in the course.
No difficulties	

F Course Evaluation

1 Student evaluation of the course (Attach survey results report) Attached the analysis of survey results
a. List the most important recommendations for improvement and strengths Student need practical section to be added for the syllabus of this course.

b. Response of instructor or course team to this evaluation No comments
2. Other Evaluation (e.g. by head of department, peer observations, accreditation review, other stakeholders) No other evaluation was requested
a. List the most important recommendations for improvement and strengths N/A
b. Response of instructor or course team to this evaluation N/A

G. Planning for Improvement

1. Progress on actions proposed for improving the course in previous course reports (if any). According to survey results (attached) for students which show 4.67, No improvement plan was provided.			
Actions recommended from the most recent course report(s)	Actions Taken	Results	Analysis
No action recommended in previous course report	N/A	N/A	N/A
b.			

c.			
d.			

2. List what actions have been taken to improve the course (based on previous CR, surveys, independent opinion, or course evaluation).

According to previous survey results for students which show factor more than 4.67 (Excellent), no improvement plan was provided.

3. Action Plan for Improvement for Next Semester/Year

Actions Recommended	Intended Action Points and Process	Start Date	Completion Date	Person Responsible
a. Improve the English scientific language of the students	The student give a list of new terms studied at each lecture	Lecture 1	Lecture 5	Coordinator
b. Improve the exam style	Wide variety of question styles (MCQ, Sort answer, short essay, matching, true and false)	Midterm	Final exams	Coordinator
c.				
d.				
e.				

Name of Course Instructor: Dr Mohammed Khalil Saeed

Signature:  _____

Date Report Completed: 25/8/1438 H

Program coordinator: **Dr. Raee Alhyani**

Signatur: *Raee Alhyani* Date received: **5//2017**