

T5. COURSE REPORT (CR)

Electrotherapy 1 (201 PhTh)

العلاج الكهربائي ٢٠١١ عطب ٢

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.

Institution	Najran University	Date of Course Report	8-1438 H
College/ Department	College of Applied Medical Science / Department of Medical Rehabilitation sciences Program of Physiotherapy		

A. Course Identification and General Information :

1. Course title	Electrotherapy 1	Code #	PTH 201	Section #		
	العلاج الكهربائي ٢٠١١ عطب ٢					
2. Name of course instructor	Dr: Alaa Abosrie		Location	MAIN campus		
3. Year and semester to which this report applies	1438H- second semester					
4. Number of students starting the course?	<input type="text" value="13"/>	Students completing the course?	<input type="text" value="12"/>			
5. Course components (actual total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	16			32		48
Credit	1			1		2

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
1. Physiological effects of heat	3	3	

2. Electromagnetic spectrum	3	3	
3. Laws of Electromagnetic radiation.	3	3	
4. Introduction to inflammation.	3	3	
5. Infrared radiation.	3	3	
6. Physiologic effects and therapeutic uses of infrared.	3	3	
7. Shortwave diathermy and microwave diathermy.	3	3	
8. Pain pathway and theories of pain modulation.	3	3	
9. Ultrasonic therapy.	3	3	
10. Different uses and effects of ultrasonic.	3	3	
11. phonophoresis application.	3	3	
12. Ultraviolet therapy	3	3	
13. Therapeutic effect of ultraviolet therapy	3	3	
14. Characteristics of LASER therapy	3	3	
15. Types and therapeutic effects of LASER therapy.	3	3	

16. Application of laser.	3	3	
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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

3. Course learning outcome assessment :

	List course learning outcomes	List methods of assessment for each LO	Summary analysis of assessment results for each LO
1	List the principles of electro therapy and recognize uses of its modalities in different diseases	Quizzes	80%
2	Define pain and its types and describe the theories of pain modulation.	Written exam	80%
3	Describe the process of inflammation and its types.	Practical exam	77%
4	Explain the physiologic effects of electro therapy modalities on different body systems.	Practical exam	80%
5	Differentiate between different electro therapy modalities through their indications, contra-indications and precautions.	Written exam	77%
6	Participate in class discussion	Practical exam	23%
7	Demonstrate competence in the use of computer based information handling and data	Assignments	23%

	processing tools.		
8	Prepare and apply electro therapy modalities.	Practical exam	23%

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

- Provide more audiovisual facilities like display screen for educational movies.
- Provide joint models for instruction that should be available easily for students to study and apply.
- Provide more electrotherapy modalities.

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 they Effective?		Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties.
	No	Yes	
Lecture		X	
Practical		X	- lack of electro therapy modalities as: 1. ultraviolet.
Discussion		X	

group work		X	
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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	Analysis of Distribution of Grades
A	0	0%	No one can catch high intellectual level and cannot fulfill the requirement of grade A optimally.
B	1	7.69%	One has high activity level and gain high marks in exams and assignment that fulfill the requirements of grade B.
C	2	15.38%	Two students with good level who have good activity level along the semester and good degree in exam that meet grade C.
D	7	53.8%	Seven students are with intermediate levels who gain most of learning outcomes with intermediate grades and gain marks in exams of grade D.
F	2	15.38%	Two students fail to gain learning outcomes because of frequent absence and poor studying level.
Denied Entry	0	0%	
In Progress			
Incomplete			
Pass	10	76.9%	
Fail	2	15.38%	
Withdrawn	1	7.69%	

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

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

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b. Variations (if any) from planned assessment processes in Domains of Learning (see Course Specification)	
Variation	Reason

4. Student Grade Achievement Verification (eg. cross-check of grade validity by independent evaluator).	
Method(s) of Verification	Conclusion
- Committee for practical evaluation	- Committee for practical evaluation consists of three examiners including the course coordinator verifying the results of practical exams.
- Committee for revision of written exam	- Committee for revision of written exam structure revise the exam before introducing it to students. - independent reviewer revise the correction of the exam paper. Both of them verify the student grade achievement.

D. Resources and Facilities

1. Difficulties in access to resources or facilities (if any) -some difficulties in laboratory facilities as ultraviolet lamps.	2. Consequences of any difficulties experienced for student learning in the course. - Weak English language. - Very weak knowledge of anatomy. - Weak physiology knowledge.
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E. Administrative Issues

1 Organizational or administrative difficulties encountered (if any) - Very bad timing of lectures it is too late.	2. Consequences of any difficulties experienced for student learning in the course. The students get very exhausted with lack of attention and attendance due to late timing of lectures.
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F. Course Evaluation

1. Student evaluation of the course (Attach summary of survey results) : VERY GOOD
a. List the most important recommendations for improvement and strength Recommendation for improvement: - Supply more sources of knowledge. - Use of technology effectively to support my education in this course. - Encouragement of students to ask questions and interact more during course.
b. Response of instructor or course team to this evaluation - I agree with the students and accept this evaluation
2. Other Evaluation (e.g. by head of department, peer observations, accreditation review, other stakeholders)
a. List the most important recommendations for improvement and strengths
b. Response of instructor or course team to this evaluation

G. Planning for Improvement

1. Progress on actions proposed for improving the course in previous course reports (if any).			
Actions recommended from the most recent course report(s)	Actions Taken	Action Results	Action Analysis
a. Add physiology course as a requirement to this course.	Discussed in the department council and the program coordinator informed about this suggestion	Not yet	Percentage of success increased in the course Students evaluation also increased.
b. Medical English course is needed to improve the students language	Discussed in the department council and the program coordinator informed about this suggestion	Not yet	Under construction
c. Focus on the objectives of the course and explain it to the	Separate explanation of the course of the objectives at the	- The student become aware of the course objectives.	Evaluation by student improves in this issue.

students and make it clear and declared at the beginning of the semester.	beginning of the course.		
d. Highlight the importance of scientific material for students and linked to developments in the area of specialization	Adding practical examples that related to the content of course	- The student become more interested in the course.	Evaluation by student improves in this issue.
e. improving the laboratory equipments to improve the practical experience of the student.	Discussed in the department council and the program coordinator informed about these needs.	Most of the needs have been supplied	Evaluation by student improves in this issue.

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

- Separate explanation of the course of the objectives at the beginning of the course.
- Adding clinical examples that related to the content of course
- Provide a well organized hand out for the students.
 - improving the laboratory equipments.

3. Action Plan for Improvement for Next Semester/Year

Actions Recommended for further improvement	Intended Action Points (should be measurable)	Start Date	Completion Date	Person Responsible
a. Supply textbooks and references	Write needed reference lists.	1-1438	1-1439	Dean of the faculty
b. improving the laboratory equipments	Write to the program coordinator.	3-1438	3-1439	Dean of the faculty
c. improving physiology courses of the students.	Discussed in the department council.	3- 1438	3-1439	Head of the department and the faculty dean.
d. improving anatomy courses of the students.	Discussed in the department council.	3- 1438	3-1439	Head of the department and the faculty dean.

Name of Course Instructor : Dr. Alaa Abosrie

Signature *Dr. Alaa Abosrie* Date Report Completed: 8-1438 H

Program coordinator: Dr. Raee Alhyani

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