

Course syllabus
Physical Therapy Procedures -1-
(RHS-321)
1st semester 1438-1439 H

Course Syllabus

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Program in which the course is offered:	Physical therapy program
Course title and code:	Physical Therapy Procedures I-(RHS 321)
Department :	Rehabilitation Health Sciences
Credit hours:	3 hours (2 Theory+ 1 Practical)
Total contact hours per semester	60
Level at which this course is offered:	Level 3
Course prerequisites:	None
Time:	Sunday 10-11:50 (theory) Thursday 8-9:50 (practice); please write the time for lab
Location:	Class NO 4, College of Applied Medical Sciences
College member responsible for the course	Dr. Mohammed TA Omar Ph.D. PT Please add your full name and academic degree
Contact information:	
Office Number:	2074
Phone :	93597
Email:	momaraar@ksu.edu.sa
Website:	http://fac.ksu.edu.sa/momaraar/home
Office hours:	Kindly refer to time table on my office door

Course Description

This course concerned with the study of basic of physical agent, indications and contraindications, precautions and how to apply

Course Objectives

By the end of this course, students should be able to:

- Identify physical, physiological and therapeutic effects of different electro-physical agents indications, contraindications, precautions and dangerous of different electro-physical agents.
- Differentiate between physical agents according to their uses, physiological and therapeutic effects.
- Select the proper therapeutic modality according to patient's diagnosis and condition.
- Communicate with patients, colleagues, and clinical staff probably.
- Demonstrate the procedures of applications different electro-physical modalities probably under supervision

Teaching strategies

Interactive Lectures including:

- Lectures, class discussions, seminars and student presentations
- Problem solving with case scenario, Scientific videos ,
- laboratory sessions (Demonstration scientific video and role player)

Learning Resources

Required Text (s)

1. Electrotherapy Evidence- based practice. Churchill Livingstone Title, 11th edition, 2002
2. Wa.R, Alex .W, John. L and Ann. R.“ Electrotherapy Explained principles and practice”. Butter Worth- Heinemann Title. 4th edition, 2006.
3. John. E.F, and Tim.N.S. “Practice Electrotherapy. A guide to safe Application”. Churchill Livingstone Title. 2007
4. Cameron MH. Physical agent in Rehabilitation; from research to

	1st edition, 20009.
Essential References	<ol style="list-style-type: none"> 1. Electrotherapy Evidence- based practice. Churchill Livingstone Title, 11th edition, 2002 2. Wa.R, Alex .W, John. L and Ann. R.“ Electrotherapy Explained principles and practice”. Butter Worth- Heinemann Title. 4th edition, 2006. 3. John. E.F, and Tim.N.S. “Practice Electrotherapy. A guide to safe Application”. Churchill Livingstone Title. 2007. 4. Cameron MH. Physical agent in Rehabilitation; from research to practice. 3rd edition. Elsevier 2009.
Recommended Journals	<p>Journals of physical therapy, available at http://ptjournal.apta.org/ Journal of physical therapy science, available at https://www.jstage.jst.go.jp/browse/jpts Spine journal, available at http://www.thespinejournalonline.com/ Open journal of therapy and rehabilitation, available at http://www.scirp.org/journal/ojtr/</p>
Electronic Materials and Web Sites	<ul style="list-style-type: none"> • http://emedicine.medscape.com/article/324583-overview • http://www.healthline.com/galecontent/therapeutic-exercise http://www.guideline.gov/summary/pdf.aspx?doc_id=9910&stat=1&string • www.soople.com • www.physiotherapy.com • http://faculty.ksu.edu.sa/73807/default.aspx

Topics to be covered

List of topics	No of Weeks	Contact hours
Orientation and introduction	1	3
Basic Concepts of Electrotherapy and heating modalities	3	9
Light Therapy	3	9
Mechanical waves	4	12
Intermittent Pneumatic Compression Therapy (IPCT)	1	3
Magnet therapy	2	6

Schedule of Assessment Tasks for Students During the Semester

Assessment task	Week due	Proportion of Final Assessment
Quizzes and class activities	1 st -15 th week	5%
1 st midterm theory	5- 7 th week	10 %
2 nd midterm theory	10-12 th week	10%
1 st Midterm laboratory	6-8 th week	10%
2 nd Midterm laboratory	10-12 th week	10%
Final Laboratory exam	16 th -18 th week	15%
Final theoretical exam	16 th -18 th week	40%

Required Assignments: (if applicable)

Week	Assignments	Evaluation	Week due
10-12	Submission of assignments		
12-15	Presentation of assignments	Power point Presentation	12-16

Criteria for evaluation	<p>List any criteria for evaluating the students to</p> <ol style="list-style-type: none"> 1- Mark students participation during class time 2- Quizzes 3- Midterms 4- Final theoretical exam. <p>The question include (List, Enumerate, true and false , multiple choice questions, complete, matching, short notes)</p> <p>Final practical exam using evaluation sheet, case study</p> <p>Direct evaluation of home projects and treatment plane presentation and discussion.</p>
Course rules	<p>Dear Students, in order to have smooth and clear vision of this course we planned to clarify the class ground rules therefore it will be clear for you from the starting of the course. Therefore, please read these points carefully and make sure you understand them well as you are going to sign a declaration about that.</p> <ol style="list-style-type: none"> 1) Please commitment lecture time (at 10 am). 2) Daly more than 10 minutes for repetitive two times will be considered as reduction form 5% of class activities. 3) You must attend at least 75% of lectures to be able to inter the final exam. 4) Your cooperation throughout the lectures is very important and you have 5% for continuous evaluation. 5) Please commitment the midterm exams. If any student absent because of urgent condition she must refer immediately to her academic advisor to discuss her excuse with vice chair and the doctor teaching the subject within one week from the date of the exam. 6) Submit the assignment on the dead line as scheduled in the course syllabus. For each 3 days delay one mark will be subtracts from the total mark of the assignment. No assignment acceptance after 6 days. 7) Regarding the team work: Please arrange into 6 groups [(For each group there is a need to have a group leader and secretary. The group leader has to distribute the work equally among her colleagues. The secretary needs to arrange for the group meeting and write the meeting minutes' (or diary- who did what? the time and the place of meeting)]. 8) For assignments the standards of evaluation are: <ul style="list-style-type: none"> Presentation evaluation <ol style="list-style-type: none"> a. Content coverage b. Content clarity c. Content sequence d. Confirmation to the time e. Visual aids clarity, relevance and creativity Student evaluation <ol style="list-style-type: none"> a. Ability to deliver b. Ability to present c. Answering questions <p>Course Instructor Dr. Mohammed TA, Omar</p>

Class Leader:	<p>A group leader is a student in the class who will be chosen by the majority of class students. He should fulfill the following criteria:</p> <ul style="list-style-type: none"> •GPA: not less than 3.5 /5.00 •Good relationship with all students in the class •High moral standards and effective communication skills.
Duties of the Class leader:	<p>Duties of the Class leader:</p> <ul style="list-style-type: none"> • Acquiring contact information from all students in the class • Maintaining continuous contact with the course instructor with quick interaction • Delivering information and answering questions to the students quickly • Delivering students concerns, information and questions to the instructor quickly <p>Advantages for the class leader:</p> <ul style="list-style-type: none"> • If the Class leader is successful in performing the above mentioned duties, he will get the full mark in Class discussion and assignment (10 marks) If the group leader fails in these duties, the instructor has the right to call for choosing another Class leader.