

COURSE ORIENTATION



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Electrotherapy -1-

(RHS-325)



COURSE ORIENTATION



1. Academic Policies & Procedures
2. Class policies & procedures

COURSE ORIENTATION



1. Academic Policies & Procedures

- ❖ Program Completion Time: 16 weeks to complete this course
- ❖ Course title and code : electrotherapy (RHS 325)
- ❖ Credited hours 3hours (2 theory + 1 practice)
- ❖ Prerequisite : physical therapy procedures -1- (RHS321)

Attendance Policy



- Attendance is **MANDATORY**
- You need to complete all 60 hours or more of classroom time in the class room and LAB (attend at least 75% to be able to enter the final exam.)
- It is the student's responsibility to make up all lost time from the classroom

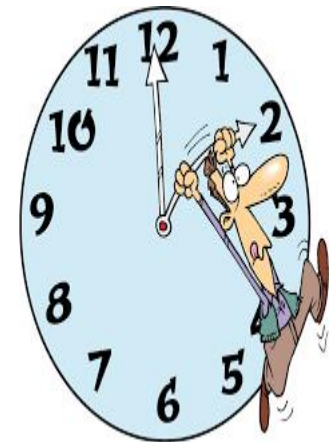
Be On Time

Class begins promptly at 10:00 am , Sunday

You should arrive at least 10 minutes prior to class time to set up for the day.

Delay more 1than 0 minutes for repetitive two times will be considered as reduction form 5% of class activities .

Do NOT schedule an interview during class time



Attendance Policy



- You need to email me or call the academic supervisor if you are out sick and provide official letter.
- You are responsible for making up the missed time
- Bathroom break allowed



COURSE ORIENTATION

Objectives

Course
Content

Assessment

Starting point

Teaching Methods

This course will provide the students with

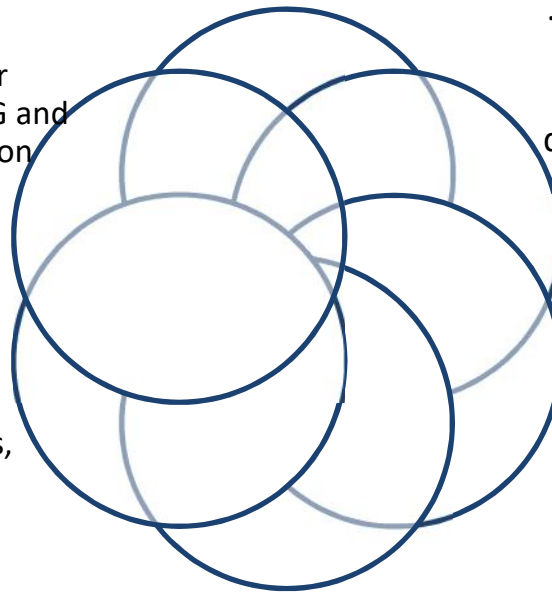
- ❖ Basic principle and Physiological and therapeutic effects of ES
- ❖ Hazards and safety of electrical stimulation modalities,
- ❖ Evidence-base practice & clinical uses electrotherapy modalities

Determine the basic principles of different types of electrical currents, and related parameters such as waveform, frequency, pulse duration, amplitude, pulse and phase charge

Objectives

- **Apply** electrical currents for evaluation and rehabilitation (EMG and SDC- technique and interpretation)

- **Communicate** with patients, colleagues, and clinical staff probably

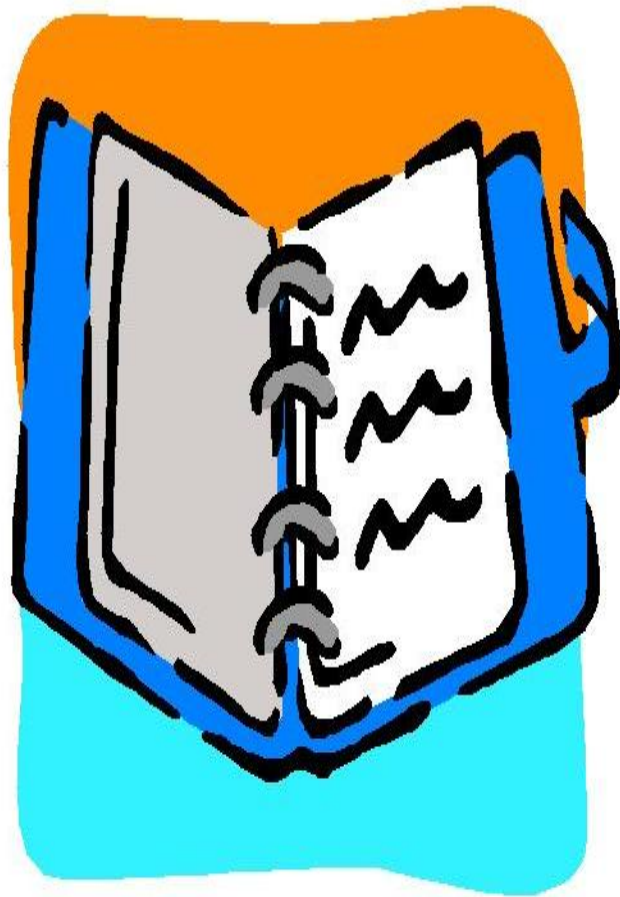


- **Recognize** indications & contraindications and physiological effects of different electrical stimulation modalities.

- **Differentiate** between electrical stimulation modalities(direct current and iontophoresis, interrupted direct current- long and short duration- evenly alternating current)

choose the appropriate electrical stimulation intervention according to patient's diagnosis

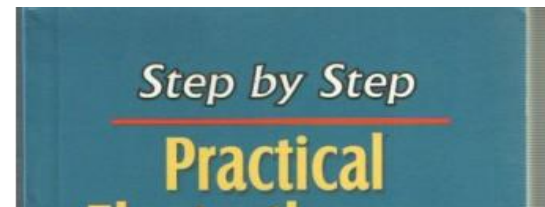
Course Contents



Course contents

Theoretical parts (75%)

Practical part (25%)



Course contents

Principle of ET

TENS

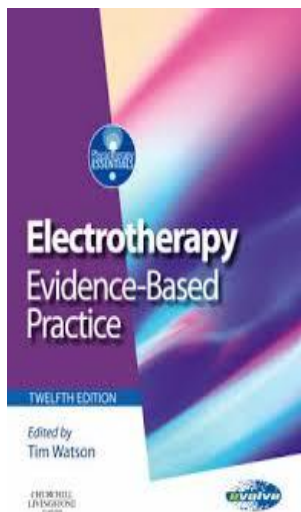
NMES

IFT

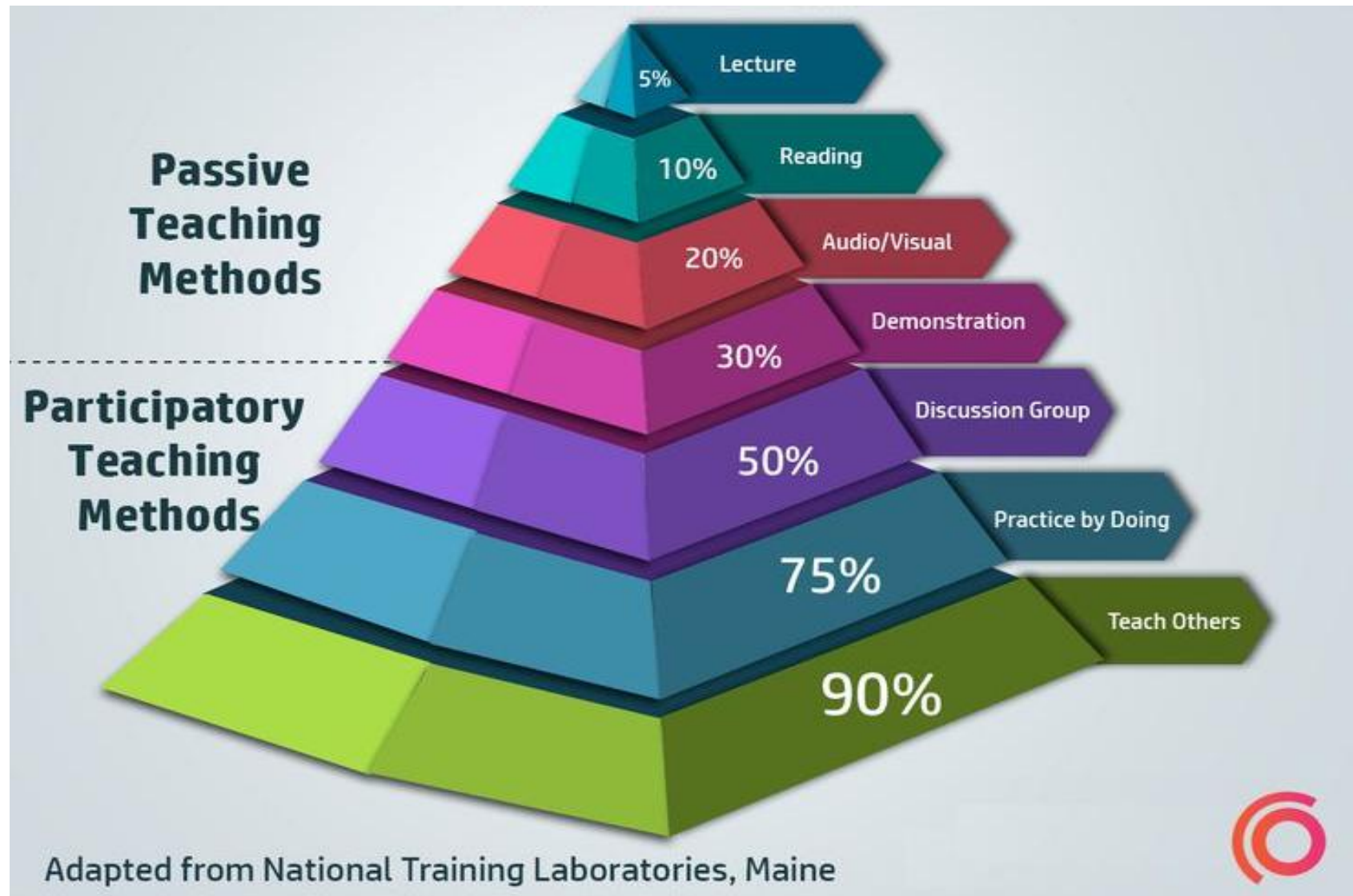
HVPC

Russian

Dyddynamic



Teaching Methods



Grading and Assessment

A+	A	B+	B	C+	C	D+	D	F
100-95	94-90	89-85	84-80	79-75	74-70	69-65	64-60	<60



Midterm
theoretical
exam
(1&2)=20%



Final
theoretical
exam =40%



Midterm
lab exam =
(10%)



Final lab
exam
= (15%)



Quizzes, class
activities and
assignment
=15%

Essential References



- Cameron MH. Physical agent in Rehabilitation; from research to practice. 3rd edition. Elsevier 2009.
- Wa.R, Alex .W, John. L and Ann. R.“ Electrotherapy Explained principles and practice”. Butter Worth- Heinemann Title. 4th edition, 2006.
- John. E.F, and Tim.N.S. “Practice Electrotherapy. A guide to safe Application”. Churchill Livingstone Title. 2007.
- Roger. M. Nelson, Dean P Currier and Karen Whayes “Clinical Electrotherapy” Prenice Hall, 3rd edition, 1999.
- Karen .W. Hayes. “Manual for physical agents”. Prentic Hall Heath, 1st edition, 2000.

Electronic Materials, Web Sites

www.electrotherapy.com

<http://fac.ksu.edu.sa/momrar/hom>

Class room policy



Your Checklist to Success

- A notebook and a pen or pencil to record notice
- Books or handout material that is being covered for that week
- Homework assignment completed
- Planning your time
- Flexibility and ability to work together
- Work hard and take responsibility
- Be ready to learn and do your best
- Take risks and make mistakes
- Communicate with your professor and colleague



*All the best for
your Exams*

Test retake policy



If a student takes an exam as scheduled but doesn't earn a passing grade (60%), and his attendance and class activities are above the average required of have an official sick vocation, and after completing requisite. The student may be given the opportunity to retake the exam at the end of the course or at time determined by staff.

Your cooperation throughout the lectures is very important and you have 5% for continuous evaluation

Student Name: _____ Test: _____

Test Retake Request

I did poorly on a test, but I will study & work hard to learn the material better. I would like the opportunity for a retake please.

I Will Prepare for the Retake by Doing the Following:

1. _____
2. _____
3. _____

Student Signature: _____ Date: _____

To be Completed by Teacher:

☐ Request Approved. Retake will be on: _____

☐ Not Approved. Reason: _____

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Code of Conduct



No Smoking

No cell phone (If you are expecting an important call please take it OUTSIDE of the classroom).

No loud conversation with other during class

No Downloading any personal software

No recording or taking phot without permission

No eating in class

No sleeping

Drinking water allowed

Avoid mishandling or abusing/damaging the classroom equipment

Wearing the approved uniform and lab coat

You are responsible to make up the lost time due to these interruptions



Methods of communication

- Phone number: 0542115404
 - E-mail : momamarar@ksu.edu.sa
Dr.taher_m@yahoo.com
<http://fac.ksu.edu.sa/momamarar/home>
- Office number 2074
Office phone 93597
Office hours:
- Sunday 8-10
 - Monday 8-12
 - Wednesday 8-10

