

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Electro & Hydrotherapy Practical
Course number	AMSP3125
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

- 1 - 1- Evaluate different types of thermal agents.
- 2 - 2- Apply the appropriate ultrasound devices with with specific problem.
- 3 - 3- Analyze the clinical finding to propose the goals of treatment of electrotherapy.
- 4 - 5- Application the appropriate traction method accordinf to the goal of treatment.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * - Choose and use the most appropriate thermal agent to obtain the desired treatment goals * 2- Design the plan for selecting ultrasound treatment parameters. * 3- Compare the basic similarities and differences and functions of electrotherapy. * 5- Formulate the effective treatment plan of traction
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Course Contents

<ol style="list-style-type: none"> 1 - 1- cold - cryotherapy 2 - 2- Heat - Thermotherapy. 3 - 3- Ultrasound Therapy. 4 - 4- Electric Simulation. 5 - 4- Electric Simulation. 6 - 5- Electromagnetic radiation. 7 - 6- Traction.
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Teaching and Learning Methods

<ol style="list-style-type: none"> 1 - 1- One lab. 2 Hours per week. 2 - 2- Visual aids. 3 - 3- Application the devices clinically for specific conditions

Teaching and Learning Methods for the Disabled Students

1 - Hand out A3 copies

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
1- Attendance and participation	one hour	5%
2- Midterm written exam.	One hour	30%
3- Final written exam	2 hours	40%

Books and References

Course note	1- Physical agent in rehabilitation, 3rd edition, Michelle H. Cameron Saunders, 2005. 1- Therapeutic Modalities for physical therapists, 3rd edition, William E. Prentice, McGraw-Hill, Medical Publishing edition 2005. 3- Tidys Physiotherapy, 15th edition, by Stuart Porter. 4- Therapeutic exercise foundations and techniques, 5th edition, by Carolyn Kisner, Lynn Colby.
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Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Cold - Cryotherapy	First and second week	Explicit, and procedural knowledge Understanding and evaluating understanding	Comprehension and reasoning and problem solving skills	Interpersonal teamwork skills	Flexibility, and communication skills
Heat thermotherapy	Third and fourth week	Implicit and procedure knowledge Understanding, analyzing and evaluating understanding	Comprehension and reasoning and solve problem	team work work ethics skills	Problem solving skills
Ultrasound therapy	Fifth and sixth week	Explicit knowledge Remembering and understand skills	Comprehension skills	Creative and problem solving skills	Communication and critical skills
Electric stimulation	seventh and eight week	Explicit and declarative knowledge understanding and evaluating understanding	Memory and reasoning skills	Time management and work ethics skills	Problem solving skills
Electromagnetic radiation	Ninth and tenth week	Tacit and declaration knowledge Remembering and analyzing	Memory and reasoning skills	skills Problem solving decision	Organization and communication skills
Traction	Eleventh and twelfth week	Explicit and procedure knowledge Applying and evaluating understanding	Reasoning and problem solving skills	teamworking work ethics and creativity skills	Flexibility and organization skills