

<b>Module Title:</b>	Electrophysical Agents
<b>Language of Instruction:</b>	English
<b>Credits:</b>	5
<b>NFQ Level:</b>	8
<b>Module Delivered In</b>	<a href="#">1 programme(s)</a>
<b>Teaching &amp; Learning Strategies:</b>	This module will be taught in one theory class per week of one hour duration and two hour practical classes for twelve weeks . Relevant research papers and notes will be available on Blackboard. Group and peer learning will be used during practical classes with the use of case studies. Any course-related issue or questions that may arise will be discussed at lectures.
<b>Module Aim:</b>	To teach the student the appropriate and safe application and theory of electrotherapy modalities
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Appraise the role that electrophysical agents plays in rehabilitation.
LO2	Comprehend the indications and contra-indications to electrophysical agents and to be able to safely and competently apply electrophysical agents to patients
LO3	Formulate the most appropriate electrophysical agents to use in a clinical setting
<b>Pre-requisite learning</b>	
<b>Module Recommendations</b>	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
<b>Incompatible Modules</b>	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b>	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
Successful completion of year 2 or equivalent	

**Module Content & Assessment**

**Indicative Content**

**Theory 1.1**

Cryotherapy: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Theory 1.2**

Thermotherapy: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Theory 1.3**

Ultrasound: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Theory 1.4**

Laser: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Theory 1.5**

TENS: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Theory 1.6**

Interferential: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Theory 1.7**

Muscle Stimulation: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Theory 1.8**

Emerging new electrophysical agents: Biological effects, mechanism of action, therapeutic effects and uses, clinical evidence, application methods and guidelines.

**Assessment Breakdown**

	%
Continuous Assessment	40.00%
Practical	60.00%

**Continuous Assessment**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Short Answer Questions	The continuous assessment of this module will typically consist of case study based presentations and/or short questions or multiple choice based quizzes at the end of completion of key topics within the module.	1,2,3	40.00	Ongoing

No Project

**Practical**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	A case study based practical assessment where students will be assessed on their ability to practically administer suitable electrotherapy treatments and the theory surrounding the treatment. This assessment will also insure that students are safe to apply these modalities to patients and therefore the practical exam must be passed independently to successfully pass the module	1,2,3	60.00	Sem 1 End

No End of Module Formal Examination

**SETU Carlow Campus reserves the right to alter the nature and timings of assessment**

**Module Workload**

<b>Workload: Full Time</b>		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	1.00
Laboratory	12 Weeks per Stage	2.00
Independent Learning	15 Weeks per Stage	5.93
Total Hours		125.00

**Module Delivered In**

Programme Code	Programme	Semester	Delivery
CW_SASRA_B	<a href="#">Bachelor of Science (Honours) in Sports Rehabilitation and Athletic Therapy</a>	5	Mandatory