



Course Information

Course Title	Physical Agents
Course Prefix, Num. and Title	PHTA 1531
Division	Allied Health
Department	Physical Therapist Assistant
Course Type	WECM Course
Course Catalog Description	Biophysical principles, physiological effects, efficacy and application of physical agents.
Pre-Requisites	PHTA 1413 and PHTA 1409
Co-Requisites	Enter Co-Requisites Here.

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	5: 4: 4
Lab/Other Hours	
Equated Pay Hours	6
Lab/Other Hours Breakdown: Lab Hours	4
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

Title	Signature	Date
Prepared by:		
Department Head:		
Division Chair:		
Dean/VPI:		
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Lecture and lab include:

1. Pain and Inflammation
2. Physical Agents and Therapeutic Treatment Approaches
3. Heat and Cold Modalities
4. Therapeutic Ultrasound
5. Therapeutic Use of Light
6. Hydrotherapy
7. Passive Motion devices for Soft Tissue Management
8. Edema Management
9. Therapeutic Massage
10. Foundation of Electrical Stimulation
11. Physiologic Basis of Electrical Stimulation
12. Neuromuscular Applications for Electrical Stimulation
13. Iontophoresis and Phonophoresis
14. Pain Management with Electrical Stimulation
15. Electrical Stimulation Devices and Equipment
16. Integration of Physical Agents

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

1. Describe the biophysical principles and efficacy of physical agents
2. Relate knowledge of indications, contraindications and precautions to interventions
3. Apply physical agents
4. Demonstrate communication skills.

Methods of Assessment:

Written Exams including Comprehensive Final
Lab Practicals
Skill Check-offs & Lab Work

Required text(s), optional text(s) and/or materials to be supplied by the student:

Behrens, Barbara J., / Beinert Holly, Physical Agents Theory and Practice, Third Edition, F.A. Davis Co., Philadelphia, Pennsylvania, 2014

Suggested Course Maximum:

16

List any specific or physical requirements beyond a typical classroom required to teach the course.

Physical Therapist Assistant Lab

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

During the course of a semester, there will be a written exam and lab practical following each unit of material. The unit exams will account for 56% of the final course grade. Lab practicals account for 20%; Skills Check-offs and Lab Work account for 4%. A comprehensive course final examination will be given at the end of the semester which will account for 20% of the final grade.

Grade Assignments

90-100% = A

80-89% = B

75-79% = C

74-70% = D Below 70 = F

A student must receive a "C" (75%) or above for successful completion of this course. Any student receiving a "D" or "F" must withdraw from the PTA Program.

Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
 - Critical Thinking
 - Communication
 - Empirical & Quantitative Skills
 - Teamwork
 - Social Responsibility
 - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist