

Purpose: It is the intention of this Administrative Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

Course Title:	Physical Agents
Course Prefix & Number:	PHTA 1531
Division & Department:	Allied Health: Physical Therapy Asst

Course Type	
<input type="checkbox"/>	Academic General Education Course (from ACGM, but not WCJC Core)
<input type="checkbox"/>	Academic WCJC Core Course
<input checked="" type="checkbox"/>	WECM Course
<input type="checkbox"/>	This course is a Special Topics or Unique Needs Course.

Semester Credit Hours (SCH): Lecture Hours: Lab/Other Hours 5 : 4 : 4

Equated Pay Hours: 6

Catalog Course Description:
Biophysical principles, physiological effects, efficacy and application of physical agents.

Pre-Requisites:
PTHA 1413 and PTHA 1409

Co-Requisites:

List Lab/ Other Hours
Lab Hours 4
Clinical Hours
Practicum Hours
Other (List)

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

I. 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

II. 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

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

III. 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

IV. Suggested Course Maximum: 16

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

Physical Therapist Assistant Lab

VI. 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.

VII. Curriculum Checklist:

- Academic General Education Course** (from ACGM, but not in WCJC Core)
 - No additional documentation needed

- Academic 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