

Montgomery County Community College  
PTA 110  
Therapeutic Modalities in Physical Therapy  
4 - 3 - 4

**COURSE DESCRIPTION:**

This course addresses the basic physical science, data collection, and principles of selected physical therapy interventions to facilitate healing and pain control. Presentation of a wide variety of clinical scenarios and pathologies facilitates the

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Identify physiologic responses to therapeutic modalities used in physical therapy.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction. Demonstration / Practice	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
2. Apply data collection techniques accurately to determine the safety and effectiveness of the use of therapeutic modalities, based on the physical therapy plan of care.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction. Demonstration / Practice	Practical Examinations Skills Competency Checks
3. Utilize health care literature effectively to discuss current patterns of care and treatment modalities.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction. Demonstration / Practice	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations
4. Demonstrate competence in implementing treatment for selected therapeutic modalities, based on the physical therapy plan of care.	Lecture / Discussion Textbook Readings Supplemental Handouts Case Study / Application Hands-on laboratory interaction. Demonstration / Practice	Practical Examinations Written Assignments Skills Competency Checks Summative Written Examinations

5.

6. Demonstrate the appropriate use of massage therapy within the physical therapy plan of care.

- b. Contraindications and Precautions
- c. Standard Preparation and Appropriate

- d. Application Techniques
- e. Documentation and communication
- 11. Electromagnetic Radiation: Lasers and Light
  - a. Effects of lasers and Light
  - b. Clinical Indications for the Use of lasers and Light
  - c. Contraindications and Precautions for Lasers and Light
  - d. Application Techniques for Lasers and Light
  - e. Documentation and Communication
- 12. Ultraviolet Radiation
  - a. Effects of Ultraviolet Radiation
  - b. Clinical Indications for Ultraviolet radiation
  - c. Contraindications and Precautions for the Use of Ultraviolet Radiation
  - d. Adverse Effects of Ultraviolet Radiation

