

## Master Syllabus

### PTA 2238 - Musculoskeletal Rehabilitation

**Division:** Health Sciences

**Department:** Rehabilitation Services

**Credit Hour Total:** 2.0

**Lecture Hrs:** 1.0 **Lab Hrs:** 3.0

**Prerequisite(s):** PTA 1129

**Other Prerequisite(s):** AND Restricted to Majors

**Date Revised:** January 2014

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### Course Description:

Theory and application of physical therapy treatment techniques for more complex and specialized diagnoses across the lifespan, including but not limited to orthopedic spinal conditions, cardiovascular, pulmonary, obstetrical, endocrine and multisystem disorders. One classroom, three lab hours per week.

### General Education Outcomes:

- ▣ Oral Communication Competency
- ▣ Written Communication Competency
- ▣ Values/Citizenship/Community Competency
- ▣ Critical Thinking/Problem Solving Competency
- ▣ Information Literacy Competency

### Course Outcomes:

#### Feedback

Provide constructive feedback to peers while performing Peer Case Reviews and when role-playing patient.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

100% completion of lab activities

**Assessment Method:** Focus groups

**Performance Criteria:**

100% completion of peer case reviews

**Assessment Method:** Written surveys and/or questionnaires

**Performance Criteria:**

100% completion of Peer case review peer assessment

#### Treatment interventions

Develop and implement appropriate treatment techniques for patients with complex musculoskeletal and multisystem disorders by identifying the indications, precautions, and contraindications of various treatment techniques and working within the PT's goals and plan of care.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

100% completion of lab activities

**Assessment Method:** Focus groups

**Performance Criteria:**

100% participation in Peer Case Reviews

**Assessment Method:** Locally developed exams

**Performance Criteria:**

Online and in-class critical thinking experiences and exams (77% or better)

**Assessment Method:** Simulations

**Performance Criteria:**

Lab practicals (77% or better)

**Assessment Method:** Written surveys and/or questionnaires

**Performance Criteria:**

Written case study (77% or better)

#### Personal wellness program

Acknowledge responsibility as a role model to patients through developing a personal health and wellness program, based on data gained via self-assessment activities.

**Assessment Method:** Written surveys and/or questionnaires

**Performance Criteria:**

Personal wellness project (77% or better)

### **Common complex & specialized diagnoses**

Describe the incidence, etiology, risk factors, signs, symptoms, and typical outcome of common complex and specialized diagnoses.

**Assessment Method:** Focus groups

**Performance Criteria:**

100% Peer Case Reviews

**Assessment Method:** Locally developed exams

**Performance Criteria:**

Online and in-class critical thinking activities and exams (77% or better)

**Assessment Method:** Oral examination

**Performance Criteria:**

Passage with 77% or better

**Assessment Method:** Simulations

**Performance Criteria:**

Lab practicals (77% or better)

### **Chart information**

Demonstrate ability to extract and understand pertinent information from a patient's chart as well as the physical therapy evaluation, including patient diagnoses, medical and lab tests, and PT goals and plan of care.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

100% completion of lab activities

**Assessment Method:** Focus groups

**Performance Criteria:**

100% completion of peer case reviews

**Assessment Method:** Simulations

**Performance Criteria:**

Lab practicals (77% or better)

**Assessment Method:** Written surveys and/or questionnaires

**Performance Criteria:**

Written case study (77% or better)

### **Patient education**

Utilize appropriate communication and instructional skills to educate patients on exercises and other therapeutic activities, communicate with other health care professionals, and document care given using approved format.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

100% completion of lab activities

**Assessment Method:** Focus groups

**Performance Criteria:**

100% completion of peer case review

**Assessment Method:** Oral examination

**Performance Criteria:**

Pass lab practicals (77% or better)

**Assessment Method:** Simulations

**Performance Criteria:**

Pass lab practicals (77% or better)

### **Lifespan differences in physiology**

Recognize common physical and physiological differences in individuals across the lifespan, and choose appropriate treatment interventions, based on those differences, while working within the PT plan of care.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

100% completion of lab activities

**Assessment Method:** Focus groups

**Performance Criteria:**

100% completion of peer case reviews

**Assessment Method:** Locally developed exams

**Performance Criteria:**

Online and in-class critical thinking experiences and exams (77% or better)

**Assessment Method:** Simulations

**Performance Criteria:**

Lab practicals (77% or better)

**Assessment Method:** Written surveys and/or questionnaires

**Performance Criteria:**

Written case study (77% or better)

### **Special tests**

Demonstrate competence in performing and understanding normal vs. abnormal results of common special tests utilized for assessing the spine and other more complex diagnoses.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

100% completion of lab activities

**Assessment Method:** Focus groups

**Performance Criteria:**

100% completion of peer case reviews

**Assessment Method:** Locally developed exams

**Performance Criteria:**

Online and in-class critical thinking experiences and exams (77% or better)

**Assessment Method:** Performance appraisals

**Performance Criteria:**

Lab competencies passed (77% or better)

**Assessment Method:** Simulations

**Performance Criteria:**

Lab practicals (77% or better)

### **Interventions**

Perform monitoring of patients during therapeutic interventions and respond appropriately to patient's needs, feedback, and any abnormal responses by modifying, progressing, or discontinuing treatment interventions and describing when communication with referring PT or other health care professional would be necessary.

**Assessment Method:** Behavioral observations

**Performance Criteria:**

100% completion of lab activities

**Assessment Method:** Focus groups

**Performance Criteria:**

100% completion of peer case reviews

**Assessment Method:** Locally developed exams

**Performance Criteria:**

Online and in-class critical thinking experiences and exams (77% or better)

**Assessment Method:** Simulations

**Performance Criteria:**

Lab practicals (77% or better)

### **Outline:**

Orthopedic spinal conditions

Women's health issues

Cardiovascular and pulmonary issues

Multisystem diseases

Treatment across the lifespan

Treatment progression