

Washtenaw Community College Comprehensive Report

PTA 180 Clinical Kinesiology Effective Term: Winter 2016

Course Cover

Division: Health Sciences

Department: Allied Health

Discipline: Physical Therapist Assistant

Course Number: 180

Org Number: 15800

Full Course Title: Clinical Kinesiology

Transcript Title: Clinical Kinesiology

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Course Change

Change Information:

Consultation with all departments affected by this course is required.

Rationale: Incorporate results of course assessment

Proposed Start Semester: Winter 2016

Course Description: In this course, students learn about human movement, including the principles of basic physics and biomechanics. Students examine the relationship of structures (skeletal, joint, neural, muscle) to function and examine normal and abnormal movement. Emphasis is on functional application to provide a foundation and rationale for therapeutic interventions necessary for the physical therapist assistant student. Laboratory experiences correlate to the lectures, which include the study of the head and trunk, extremities, posture and gait. This course contains material previously taught in PTA 180 and PTA 190.

Course Credit Hours

Variable hours: Yes

Credits: 0 – 4

Lecture Hours: Instructor: 30 **Student:** 30

Lab: Instructor: 60 **Student:** 60

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 0 to 90 **Student:** 0 to 90

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: YES (separate sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Prerequisite

Admission to Physical Therapist Assistant program

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Apply principles of physics and biomechanics to joint and muscle movement.

Assessment 1

Assessment Tool: Departmental unit and/or final examination (multiple choice, fill in the blank and short answer)

Assessment Date: Fall 2016

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric and/or scoring key

Standard of success to be used for this assessment: 85% of the students will score 83% or higher (B).

Who will score and analyze the data: department faculty

2. Describe human movement in terms of planes, anatomical structures (skeletal, muscular, neural) and components of normal movement.

Assessment 1

Assessment Tool: Departmental unit and/or final examination (multiple choice, fill in the blank and short answer)

Assessment Date: Fall 2016

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric and/or scoring key

Standard of success to be used for this assessment: 85% of the students will score 83% or higher (B).

Who will score and analyze the data: department faculty

3. Analyze normal movements in select movements and activities.

Assessment 1

Assessment Tool: Departmental unit and/or final examination (multiple choice, fill in the blank and short answer)

Assessment Date: Fall 2016

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric and/or scoring key

Standard of success to be used for this assessment: 85% of the students will score 83% or higher (B).

Who will score and analyze the data: department faculty

4. Identify components of normal and abnormal posture and gait.

Assessment 1

Assessment Tool: Departmental unit and/or final examination (multiple choice, fill in the blank and short answer)

Assessment Date: Fall 2016

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric and/or scoring key

Standard of success to be used for this assessment: 85% of the students will

score 83% or higher (B).

Who will score and analyze the data: department faculty

Course Objectives

1. Describe the types of levers present in the joints of the head, neck, spine, upper and lower extremities.

Matched Outcomes

1. Apply principles of physics and biomechanics to joint and muscle movement.
2. Describe the type of muscle contractions used in movements of the head, neck, spine, upper and lower extremities.

Matched Outcomes

2. Describe human movement in terms of planes, anatomical structures (skeletal, muscular, neural) and components of normal movement.
3. Identify the joints, muscles (prime movers, synergists, antagonists) and nerve supply involved in normal movements of the head, neck, spine, upper and lower extremities.

Matched Outcomes

4. Identify and describe the components of normal gait.

Matched Outcomes

5. Define and identify common gait deviations.

Matched Outcomes

6. Describe normal posture in a variety of positions.

Matched Outcomes

7. Define common postural deviations.

Matched Outcomes

8. Describe the origin, insertion, and function of select muscles of the face, neck, trunk, and upper and lower extremities.

Matched Outcomes

9. Palpate select anatomical structures and muscles of the face, neck, trunk, and upper and lower extremities.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Reviewer

Faculty Preparer:

Patricia Hill

Department Chair/Area Director:

Connie Foster

Dean:

Kristin Good

Vice President for Instruction:

Bill Abernethy

Action

Faculty Preparer

Recommend Approval

Recommend Approval

Approve

Date

May 14, 2015

May 18, 2015

May 19, 2015

Jun 16, 2015