

Washtenaw Community College Comprehensive Report

PTA 180 Clinical Kinesiology Effective Term: Winter 2021

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: Three Year Review / Assessment Report

Change Information:

Consultation with all departments affected by this course is required.

Outcomes/Assessment

Objectives/Evaluation

Rationale: Test

Proposed Start Semester: Winter 2021

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 will be placed on functional application to provide a foundation and rationale for therapeutic interventions necessary for the physical therapist assistant. Laboratory experiences correlate to the lectures, which include the study of the head and trunk, extremities, posture and gait.

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: Outcome-related questions on the departmental unit and/or final examination (multiple-choice, fill-in-the blank and short answer)

Assessment Date: Fall 2023

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: Outcome-related questions on the departmental unit and/or final examination (multiple-choice, fill-in-the-blank and short answer)

Assessment Date: Fall 2023

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: Outcome-related questions on the departmental unit and/or final examination (multiple-choice, fill-in-the-blank and short answer)

Assessment Date: Fall 2023

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: Outcome-related questions on the departmental unit and/or final examination (multiple-choice, fill-in-the-blank and short answer)

Assessment Date: Fall 2023

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.
2. Describe the type of muscle contractions used in movements of the head, neck, spine, upper and lower extremities.
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.
4. Identify and describe the components of normal gait.
5. Define and identify common gait deviations.
6. Describe normal posture in a variety of positions.
7. Define common postural deviations.
8. Describe the origin, insertion, and function of select muscles of the face, neck, trunk, and upper and lower extremities.
9. Palpate select anatomical structures and muscles of the face, neck, trunk, and upper and lower extremities.
10. Identify the effects of gravity and change in body position as it relates to muscle function.
11. Demonstrate basic exercises of select muscles of the face, neck, trunk and upper and lower extremities.

New Resources for Course

Course Textbooks/Resources

Textbooks

Mansfield and Neuman. *Essentials of Kinesiology*, 3rd ed. Elsevier, 2008

Andrew Biel. *Trail guide to the body*, 6th ed. Books of Discovery, 1997

Manuals

Periodicals

Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Ann Herbert</i>	<i>Faculty Preparer</i>	<i>Aug 18, 2020</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Aug 26, 2020</i>
Dean: <i>Valerie Greaves</i>	<i>Recommend Approval</i>	<i>Aug 27, 2020</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Oct 26, 2020</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Oct 27, 2020</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Oct 27, 2020</i>