



**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** – Functional Anatomy

**Course Prefix and Number** – PTHA 1413

**Department** – Physical Therapist Assistant

**Division** - AH

**Course Type:** (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)  
 Academic WCJC Core Course  
 WECM course (This course is a Special Topics or Unique Needs Course: Y  or N )

**Semester Credit Hours # : Lecture hours# : Lab/other hours #**      4:3:4

**Equated Pay hours for course** - 5

**Course Catalog Description** – Human anatomy and its application to the motion of the musculoskeletal system as it relates to normal activities and dysfunctions.

List Lab/ Other Hours
Lab Hours 4
Clinical Hours 0
Practicum Hours 0
Other (list)

**Prerequisites/Corequisites** - Admission to the PTA program.

**Approvals** – the contents of this document have been reviewed and are found to be accurate.

Prepared by <i>PAUL CARTER</i>	Signature <i>Paul Carter</i>	Date <i>9-10-2007</i>
Department Head <i>PAUL CARTER</i>	Signature <i>Paul Carter</i>	Date <i>9-10-2007</i>
Division Chair <i>Leigh Ann Collins</i>	Signature <i>LAC</i>	Date <i>9-20-07</i>
Vice President <i>Dr. Ty Pate</i>	Signature <i>Ty Pate</i>	Date <i>9-26-07</i>



**I. Topical Outline** – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non lecture instruction):

1. Basic terminology of osteology, functional anatomy and joint movement.
2. Muscle structure and function.
3. Anatomy of the upper extremity.
4. Anatomy of the lower extremity.
5. Structure and function of the neurological system related to joint movement and functional anatomy.

**II. Course Learning Outcomes**

Course Learning Outcome	Method of Assessment
<ol style="list-style-type: none"> <li>1. Identify, conceptualize, and categorize the musculoskeletal and neurological structures of the human body.</li> <li>2. Demonstrate, describe, and discuss basic anatomical structures and relationships using appropriate terminology.</li> <li>3. Define, discuss, and identify the role of gravity and the impact of levers in determining mechanical advantage, muscle force production and whether a muscle is a prime mover or antagonist.</li> <li>4. Define, quantify, and contrast normal and abnormal joint movement as it relates to function.</li> </ol>	<p>Six written examinations Two laboratory examinations Numerous "pop-quizzes" Professionalism grade Comprehensive course examination</p>

**III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.**

Jenkins, D. B. (2002). Hollinshead’s Functional Anatomy of the Limbs and Back (8th ed.). Philadelphia: W.B. Saunders Co.  
 Stone, R.J. & Stone, J.A. (2006). Atlas of Skeletal Muscles, (5th ed.). McGraw-Hill Primis

**IV. Suggested Course Maximum – 16**

**V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.**  
 None

**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 following each unit of material. The unit exams will account for 60% of the final course grade. Two lab practicals will be administered during the semester; one following completion of the upper extremity and the other following completion of the lower extremity material. The two lab practicals will account for 15% of the final grade. Pop-quizzes will be given periodically during the semester and they will contribute 5% to the final grade. A comprehensive course final examination will be given at the end of the semester which will account for 15% of the final grade. A "Professionalism" grade will also be assigned which accounts for 5% of the final grade.

A letter grade will be assigned for the course based on the following scale:

100	-	90	=	A
89	-	80	=	B
79	-	75	=	C
74	-	60	=	D
BELOW		59	=	F

No exams will be dropped when determining the final grade. Make-up exams will be provided for excused absences only. Make-up exams will be mostly essay and given at a time agreed upon by both the student and instructor.

**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 Checklist, including the following:

- Basic Intellectual Competencies
- Perspectives
- Exemplary Educational Objectives

- **WECM Courses**  
Attach the following:

- Program SCANS Matrix
- Course SCANS Competencies Checklist

## SCANS Matrix

Program: Physical Therapist Assistant CIP: 51.0806									
LIST ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES									
Competencies								Course Number	Course Title
1	2	3	4	5	6	7	8		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 1321	Pathophysiology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 1409	Introduction to Physical Therapy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 1413	Functional Anatomy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PTHA 1531	Physical Agents
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2201	Essentials of Data Collection
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2205	Neurology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2339	Professional Issues
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2409	Therapeutic Exercise
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2431	Management of Neurological Disorders
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2435	Rehabilitation Techniques
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 1360	Clinical-Physical Therapist Assistant-I
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2360	Clinical-Physical Therapist Assistant-II
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PTHA 2460	Clinical-Physical Therapist Assistant-III
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
								COMPETENCY REFERENCES	
								<b>8 Basic use of computers</b>	
								7 <b>Workplace Competencies:</b> resources; interpersonal skills; information; systems; and technology.	
								6 <b>Personal Qualities:</b> A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	
								5 <b>Thinking Skills:</b> A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	
								4 <b>Speaking and Listening:</b> Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	
								3 <b>Arithmetic or Mathematics:</b> Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	
								2 <b>Writing:</b> Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	
								1 <b>Reading:</b> Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	



Course Prefix & Number: PTHA 1413	
<b>SCANS COMPETENCIES FOR THIS COURSE</b>	
Competency	Method of Assessment
<b>1 READING:</b> Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	Unit Exams
<b>2 WRITING:</b> Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	Unit Exams Quizzes
<b>3 ARITHMETIC OR MATHEMATICS:</b> Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	
<b>4 SPEAKING AND LISTENING:</b> Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	Lab Practical Exams
<b>5 THINKING SKILLS:</b> A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	Unit Exams Quizzes Lab Practical Exams
<b>6 PERSON QUALITIES:</b> A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	Unit Exams Lab Practical Exams Professionalism grade
<b>7 WORKPLACE COMPETENCIES:</b> resources; interpersonal skills; information; systems; and technology	Unit Exams Lab Practical Exams
<b>8 BASIC USE OF COMPUTERS</b>	Anatomy & Physiology Revealed; 4 vol. CD set