

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 - Pathophysiology

Course Prefix and Number – PTHA 1321

Department – Physical Therapist Assistant

Division – Allied Health

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 # 3:3:0

Equated Pay hours for course - 3

Course Catalog Description – Study of the pathogenesis, prognosis, and therapeutic management of disease/conditions commonly encountered in physical therapy.

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

Prerequisites/Corequisites - BIOL 2401, BIOL 2402, PTHA 2201, AND PTHA 1360.

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

Prepared by Kim Raun	Signature <i>Kim Raun</i>	Date 9-12-07
Department Head <i>Paul Carter</i>	Signature <i>Paul Carter</i>	Date 9-12-07
Division Chair <i>L Leigh Ann Collins</i>	Signature <i>Luc</i>	Date 9-20-07
Vice President <i>Dr. Ty Pate</i>	Signature <i>Ty Pate</i>	Date 9-26-07



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):

- I. Introduction to Pathophysiology
- II. Immunity, Inflammation, and Immune Disorders
- III. Infectious Diseases
- IV. Neoplasms
- V. Heredity and Disease
- VI. Nutrition and Disease
- VII. Diseases of the Cardiovascular System
- VIII. Diseases of the Blood
- IX. Diseases of the Respiratory System
- X. Disease of the Digestive System
- XI. Diseases of the Urinary System
- XII. Diseases of the Reproductive System
- XIII. Diseases of the Endocrine System
- XIV. Diseases of the Nervous System and special Senses
- XV. Mental Illness
- XVI. Diseases fo the Bones, Joints, and Muscles
- XVII. Diseases of the Skin

II. Course Learning Outcomes

Course Learning Outcome	Method of Assessment
1. List etiology and symptoms of assigned pathological problems.	1. lecture exams
2. Describe the mechansims of diseases and define terminology related to causes.	2. lecture exams
3. Describe terminology, anatomical structures, etiology, and symptomatology relevant to disease of the systmes of the body.	3. lecture exams
4. Correctly define disease-related terms.	4. lecture exams
5. Briefly explain the structure and function of each body system.	5. lecture exams
6. For a given disease or disorder, correctly identify: a. the definition b. the etiology c. the signs and symptoms	6. lecture exams
7. Correctly identify the biological effects of the following: a. stress b. aging c. nutritional abnormalities d. drug and alcohol abuse	7. lecture exams
8. Briefly explain the role genetics and heredity play in disease.	8. lecture exams
9. Correctly identify diagnostic procedures	9. lecture exams

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

Mulvihill, Mary ALou, Human Disease: A Systemic Approach, 6th ed., Appleton and Lange, CT, 2006.

IV. Suggested Course Maximum - 24

V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.

PowerPoint-capable room greatly enhances the class.

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

Quizzes: 15%
Exams: 65%
Comprehensive Final Exam: 20%

90-100% = A
80-89% = B
75-79% = C
60-74% = D
0-59% = F

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
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								COMPETENCY REFERENCES	
								8 Basic use of computers	
								7 Workplace Competencies: resources; interpersonal skills; information; systems; and technology.	
								6 Personal Qualities: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	
								5 Thinking Skills: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	
								4 Speaking and Listening: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	
								3 Arithmetic or Mathematics: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	
								2 Writing: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	
								1 Reading: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	



Course Prefix & Number: PTHA 1321	
SCANS COMPETENCIES FOR THIS COURSE	
Competency	Method of Assessment
1 READING: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	Unit Exams
2 WRITING: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	Unit Exams
3 ARITHMETIC OR MATHEMATICS: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	
4 SPEAKING AND LISTENING: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	Unit Exams Quizzes
5 THINKING SKILLS: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	Unit Exams
6 PERSON QUALITIES: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	Unit Exams Quizzes Class Discussions
7 WORKPLACE COMPETENCIES: resources; interpersonal skills; information; systems; and technology	Unit Exams
8 BASIC USE OF COMPUTERS	Unit Exams (CD with textbook)