

COURSE SYLLABUS

PTHA 1321

PATHOPHYSIOLOGY

PHYSICAL THERAPIST ASSISTANT PROGRAM

HEALTH OCCUPATIONS DIVISION

LEVELLAND CAMPUS

SOUTH PLAINS COLLEGE

COURSE SYLLABUS

COURSE TITLE: PATHOPHYSIOLOGY
COURSE CREDIT: 3
CONTACT HOURS: 3

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OFFICE HOURS: by appointment

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

I. GENERAL COURSE INFORMATION

Prerequisites: A&P I, The Profession of Physical Therapy (PTHA 1301), Basic Patient Care (PTHA 1405), Functional Anatomy (PTHA 1413)

COMMON STUDENT LEARNING OUTCOMES

Upon successful completion of South Plains College PTA degree, the student will be able to:

KNOW (K) - Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.

COMPREHEND (C) - Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.

APPLY (A) - Students will exchange ideas and information with clarity and originality in multiple contexts, act purposefully, reflectively, and respectfully in diverse and complex environment.

EVALUATE (E) - Students will demonstrate integrated learning from different areas and solve problems with creative thinking.

COURSE DESCRIPTION:

The student will study the pathophysiology of diseases and conditions commonly encountered in physical therapy. Throughout the semester, we will address aspects of disease epidemiology, diagnosis, and treatment. The course will begin by establishing a framework for the basic disease processes before moving on to discussions of specific organ systems. The course will conclude with a consideration of diseases that impact multiple organ systems.

There will be an online weekly discussion of the material for the week, application to clinical practice, etc.

GENERAL LEARNING OBJECTIVES

Upon successful completion of the course, the student will be able to:

1. Describe the integration of systems related to the human body.
2. Differentiate differences in pathology related to age, gender, race, and ethnicity.
3. Recognize the risks related to poor health behaviors.
4. Describe pathologies resulting from congenital and childhood diseases and conditions.
5. Describe pathologies related to the immune system.
6. Describe pathologies related to the endocrine system.
7. Describe pathologies related to the integumentary system.
8. Describe pathologies related to the musculoskeletal system.
9. Describe pathologies related to the digestive system.
10. Describe pathologies related to the cardiopulmonary system.
11. Describe pathologies related to the urinary system.
12. Describe pathologies related to the neurological system.
13. Describe pathologies related to mental disorders.
14. Describe pathologies related to trauma.
15. Demonstrate generic abilities related to course content.
16. Describe basic concepts related to the *APTA Guide to Physical Therapist Practice*.

SPECIFIC LEARNING OBJECTIVES

Upon successful completion of the course, the student will be able to:

1. Describe the integration of systems related to the human body.
 - a. Explain how individual systems are integrated to function together.
 - b. List common diagnostic tests and procedures.
2. Differentiate differences in pathology related to age, gender, race, and ethnicity.
 - a. Describe how responses to common pathologic conditions may vary with age, gender, and race.
 - b. Identify selected pathologies for which racial or ethnic groups may be predisposed.
3. Recognize the risks related to poor health behaviors.
 - a. Describe the consequences resulting from poor health behaviors.
 - b. Describe the effects of modeling poor health behaviors.
4. Describe pathologies resulting from congenital and childhood diseases and conditions.
 - a. Describe the function, anatomical components, and pathologies of congenital and childhood diseases and conditions.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to congenital and childhood diseases.
5. Describe pathologies related to the immune system.
 - a. Describe the function, anatomical components, and pathologies of the immune system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the immune system.
6. Describe pathologies related to the endocrine system.
 - a. Describe the function, anatomical components, and pathologies of the endocrine system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the endocrine system.

SPECIFIC LEARNING OBJECTIVES, cont.

7. Describe pathologies related to the integumentary system.
 - a. Describe the function, anatomical components, and pathologies of the integumentary system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the integumentary system.
8. Describe pathologies related to the musculoskeletal system.
 - a. Describe the function, anatomical components, and pathologies of the musculoskeletal system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the musculoskeletal system.
9. Describe pathologies related to the digestive system.
 - a. Describe the function, anatomical components, and pathologies of the digestive system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the digestive system.
10. Describe pathologies related to the cardiopulmonary system.
 - a. Describe the function, anatomical components, and pathologies of the respiratory system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the respiratory system.
 - c. Describe the function, anatomical components, and pathologies of the circulatory system.
 - d. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the circulatory system.
 - e. Identify the direction of the blood flow through the heart and lungs.
11. Describe pathologies related to the urinary system.
 - a. Describe the function, anatomical components, and pathologies of the urinary system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the urinary system.
12. Describe pathologies related to the neurological system.
 - a. Describe the function, anatomical components, and pathologies of the nervous system.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the nervous system.
13. Describe pathologies related to mental disorders.
 - a. Describe the function, anatomical components, and pathologies of the mental disorders.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to the mental disorders.
14. Describe pathologies related to trauma.
 - a. Describe the function, anatomical components, and pathologies related to trauma.
 - b. Identify sign and symptoms, etiology, diagnosis, treatment, prognosis, and prevention related to trauma.
15. Demonstrate generic abilities related to course content. (*Generic Abilities adapted from the Physical Therapy Program, University of Wisconsin-Madison, May et al. Journal of Physical Therapy Education, 9:1, Spring, 1995.*)
 - a. *Commitment to Learning* – Demonstrate the ability to self-assess, self-correct, and self-direct. Identify needs and sources of learning. Seek new knowledge and understanding.
 - b. *Interpersonal Skills* – Demonstrate the ability to interact effectively with patients, families, colleagues, other health care professionals, and the community. Demonstrate the ability to effectively deal with cultural and ethnic diversity issues.
 - c. *Communication Skills* – Demonstrate the ability to communicate effectively (i.e., speaking, body language, reading, writing, and listening) for a varied audiences and purposes.

SPECIFIC LEARNING OBJECTIVES, cont.

- d. *Effective Use of Time* – Demonstrate the ability to obtain maximum benefit from a minimum investment of time and resources.
15. Demonstrate generic abilities related to course content (continued)
- e. *Use of Constructive Feedback* – Demonstrate the ability to identify sources and seek out feedback and to effectively use and provide feedback for improving personal interaction.
 - f. *Problem-Solving* – Demonstrate the ability to recognize and define problems, analyze data, develop and implement solutions, and evaluate outcomes.
 - g. *Professionalism* – Demonstrate the ability to exhibit appropriate professional conduct and to represent the profession effectively.
 - h. *Responsibility* – Demonstrate the ability to fulfill commitments and to be accountable for actions and outcomes.
 - i. *Critical Thinking* – Demonstrate the ability to question logically; to recognize and differentiate facts, illusions, assumptions, and hidden assumptions; and to distinguish the relevant from the irrelevant.
 - j. *Stress Management* – Demonstrate the ability to identify sources of stress and to develop effective coping behaviors.
16. Describe basic concepts related to the *APTA Guide to Physical Therapist Practice*.
- a. Integrate basic concepts presented in the *APTA Guide to Physical Therapist Practice* related to course content.

ASSESSMENT TECHNIQUES USED BUT NOT LIMITED TO:

- 1. Reading Quizzes.
- 2. Assignments
- 3. Exams.

COURSE GRADING

To successfully complete clinical course PTHA 1321, the student must make a grade of 75 % or higher. Students who fall below passing requirements will not be allowed to continue in the PTA program.

A= 90-100%
B = 80-89%
C = 75-79%

A grade of < 77% at the midterm of the semester will result in the development of a learning contract and the student being responsible for meeting established goals.

Grades will be arrived at through participation, quizzes, written assignments, and exams.

Attendance/ Participation average	= 5%
Reading Quizzes average	= 15%
Written Assignments average	= 5%
Exams average	= 75%

100%

ACADEMIC INTEGRITY

It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

ACCOMMODATION STATEMENT

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

DIVERSITY STATEMENT

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

NON-CONFIDENTIALITY STATEMENT

As a faculty member, I am deeply invested in the well-being of each student I teach. I am here to assist you with your work in this course. If you come to me with other non-course-related concerns, I will do my best to help.

It is important for you to know that all faculty members are mandated reporters of any incidents of sexual misconduct. That means that I cannot keep information about sexual misconduct confidential if you share that information with me. Dr. Lynne Cleavinger, the Director of Health & Wellness, can advise you confidentially as can any counselor in the Health & Wellness Center. They can also help you access other resources on campus and in the local community. You can reach Dr. Cleavinger at 716-2563 or lclevinger@southplainscollege.edu or go by the Health and Wellness Center. You can schedule an appointment with a counselor by calling 716-2529.

NON-DISCRIMINATION AND ANTI-HARASSMENT STATEMENT

The South Plains College Physical Therapist Assistant Program is committed to a learning environment in which all individuals are treated with respect and dignity. Each individual has the right to learn in an atmosphere that prohibits discriminatory practices, including harassment. Therefore, the Program expects that all relationships among persons on campus and in the clinical environment will be business-like and free of bias, prejudice and harassment.

It is the expectation of the Program that Program faculty, clinical faculty, and students will conduct themselves without discrimination or harassment on the basis of race, color, national origin, religion, sex (with or without sexual conduct), age, disability, alienage or citizenship status, marital status, creed, genetic predisposition or carrier status, sexual orientation or any other characteristic protected by law. The Program prohibits and will not tolerate any such discrimination or harassment.

SPECIFIC COURSE/INSTRUCTOR REQUIREMENTS

1. Handbook:

Students are required to read the SPC Student Guide and the PTA Program Student Handbook and provide a signed Acknowledgement form for permanent student file.

2. Due Date:

A Course Assignment Calendar with due dates and description of assignments due and due dates can be found on your Blackboard. For each day an assignment is late, 10% of original total points possible will be deducted; therefore, by the 3rd day late, the assignment will receive a failing grade.

3. Behavior:

Students are enrolled in a professional program and are expected to demonstrate professional behaviors such as respect, preparation for class, and dedication to learning.

5. Required Materials:

Students must have internet access and an internet browser and MS Office. If you do not have a computer with a modem at home, you can access South Plains College's Computer Lab.

Course information, materials, and announcements, and assignments, and quizzes and tests will be available on Blackboard. It is the expectation that students will log on ("check") Blackboard at a MINIMUM of three times a week. Brooke Walker (phone : (806)716-2180, e-mail bawalker@southplainscollege.edu) will be your tech support contact for Blackboard.

Textbook : *Loeffler, A., and Hart, M. Introduction to Human Disease: Pathophysiology for Health Professionals. 6th ed. Burlington, MA: Jones & Bartlett Learning, 2014.*

ATTENDANCE

A. ONLINE ATTENDANCE

This course is online. The weekly discussion will be conducted online. Your attendance of the weekly discussion is required. The "Class Assignments Calendar" indicates timeframes for completion of quizzes, assignments, and exams.

Participation will be determined by online activity.

Refer to the PTA Program Student Handbook for additional explanation of attendance policies.

PROFESSIONAL CONDUCT

Students are expected to follow the ethics and rules of professional conduct as outlined in the student handbook. Unprofessional conduct on the part of a student as outlined in the student handbook result can result dismissal from the PTA Program.

Campus Concealed Carry

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at:

http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

You may not apply what you are learning to the general public. You are a student PTA and are learning physical therapy techniques. You will be practicing these skills on each other when you are in lab under the course instructor's supervision. If you are presently working in a clinic you cannot practice these skills on patients. Once you have passed the class, you still cannot practice the acquired skills in a clinic. You will only be permitted to apply these skills to the general public under a clinical instructor's supervision once you begin your clinical internships.