

# PTHA 1321

## Pathophysiology

### Spring 2015

## Faculty Information

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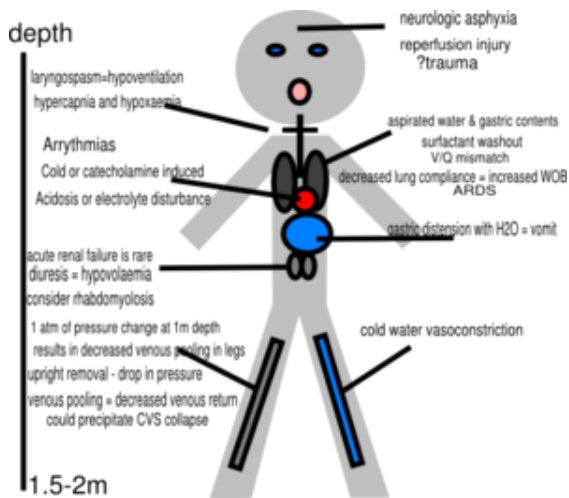


Image accessed at:

<http://www.elker.com/cliparts/Q/A/X/e/O/O/stick-figure-pathophysiology-of-drowning-md.png>

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**Phone:** 432.335.6842  
**Office:** CT 104A

### Office Hours

**Campus Office Hours:**

Monday to Thursday  
9:30 am-11:30 am  
Friday 10 am to noon

**Online Office Hours:**

n/a

### About Your Instructor

*The world of physical therapy is fascinating. Welcome to your second semester in the PTA Program!*

### Preferred Method of Communication:

*Please communicate your thoughtfully posed question to my email [mreznik@odessa.edu](mailto:mreznik@odessa.edu), via phone call or visit my office.*

### Expectations for Engagement for Instructor:

As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will

- provide my contact information at the beginning of the syllabus;
- respond to all messages within 24 hours if received Monday through Thursday, and within 48 hours if received Friday through Sunday; and,
- notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or other PTA faculty) during the time I am unavailable.

As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will

- provide clear information about grading policies and assignment requirements in the course syllabus, and
- communicate any changes to assignments and/or to the course calendar to students as quickly as

possible.

As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will

- post grades for discussion postings within one week of the discussion thread closing.
- provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

## Textbook Information and Required Hardware/Software

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### Textbook(s):

1. Professional Guide to Diseases, 9th Edition, Springhouse, 2008. ISBN 978-1-4511-4460-4
2. Stedman's Medical Dictionary for the Health Professions & Nursing, 7th Edition, Lippincott Williams & Williams, 2011 ISBN 978-1608-31692-2
3. Pharmacology for Health Professionals, Lippincott Williams & Williams, 2005 ISBN 978-1-6083-1575-8
4. PTHA 1321 Course Packet for Spring 2015

### Hardware:

n/a

### Software:

n/a

### Websites:

*See links provided on Blackboard*

### Methods of Presentation:

*Lectures, reading assignments, videos, discussion, and outside projects and assignments.*

## Information About the Course

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### Course Description

Study of the pathophysiology of diseases/conditions encountered in physical therapy. The ability to acquire information specific to diagnoses that affect the physical therapy treatment setting, diseases and injuries involving the musculoskeletal and neuromuscular systems, and the need for physical therapy intervention are stressed. Prerequisites: PTHA 1201, PTHA 1405, and PTHA 1413. Corequisites: PTHA 1325 and PTHA 1431.

### Course Student Learning Outcomes

Outcome	ICO
1. Understand diseases and disorders sufficiently to safely and effectively apply physical therapy interventions within the plan of care established by the physical therapist. 2. Identify aspects of pathophysiology that affect physical therapy interventions	<i>Critical Thinking Skills</i> - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
3. Describe the correct/expected response to acute physiological changes in the patient's condition	<i>Communication Skills</i> - to include effective development, interpretation and expression of ideas through written, oral and visual communication

	<i>Empirical and Quantitative Skills</i> - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. Obtain pertinent drug-related/medical-diagnostic test information and understand the impact of selected drugs/medical tests on physical therapy intervention. 5. Understand diseases and disorders sufficiently to safely and effectively apply physical therapy interventions within the plan of care established by the physical therapist.	<i>Teamwork</i> - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
	<i>Personal Responsibility</i> - to include the ability to connect choices, actions and consequences to ethical decision-making
	<i>Social Responsibility</i> - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

### Course Prerequisites:

Prerequisites: PTHA 1201, PTHA 1405, and PTHA 1413. Corequisites: PTHA 1325 and PTHA 1431.

### Course Topics:

#### A. INTRODUCTION TO PATHOPHYSIOLOGY

1. Definitions
2. Classification of Disease
3. Causes of Disease
4. Principles of Diagnosis
5. Diagnostic Tests and Procedures
6. Mortality and Morbidity
7. Response to Changes in Physiological Condition

#### B. PHARMACOLOGY

1. Introduction
2. Principles of Drug Action
3. Over-the-Counter Drugs
4. Side Effects, Adverse Reactions, Allergic Reactions, and Overdose

#### C. AGING

1. Introduction
2. Pathology
3. Geriatric Pharmacology

#### D. GENETIC/CONGENITAL DISORDERS

1. Introduction
2. Review of Genetics
3. Genetic Disorders
  - a Simple

- b Polygenic
- c Defects
- 4. Specific Disorders
  - a Autosomal Dominant
    - Neurofibromatosis
    - Others
      - Osteogenesis Imperfecta
      - Marfan Syndrome
  - b Autosomal Recessive
    - Cystic Fibrosis
    - Others
      - Phenylketonuria
      - Sickle Cell Anemia
  - c X-linked
    - Hemophilia
    - Duchenne's Muscular Dystrophy
  - d Chromosomal Abnormalities
    - Down Syndrome
    - Others
      - Cleft Lip and Palate
- 5. Congenital Abnormalities due to Intrauterine Injury
  - a Causative Factors
    - Drugs
    - Radiation
    - Infections
    - Malnutrition

## E. NEOPLASMS

1. Introduction
2. Definitions
3. Origin/Causes of Cancer
4. Frequency
5. Manifestations
  - a Local
  - b Systemic
  - c Hormonal
  - d Paraneoplastic syndrome
6. Diagnosis
7. Staging and Grading
8. Treatment
  - a Determination of Treatment
  - b Surgery
  - c Radiation
  - d Chemotherapy
  - e Immunotherapy
9. Pain Control
10. Physical Therapy

## F. INFECTION

1. Introduction
2. Types of Infection
3. Types of Microorganisms
4. Modes of Transmission
5. Prevention of Transmission
6. Defense Against Microorganisms
7. Medical Management of Infections
8. Nosocomial Infections

9. Specific Infections
  - a Staphylococcal
  - b Streptococcal
  - c Gas Gangrene
  - d Pseudomonas
  - e Poliomyelitis
  - f Post Polio Syndrome
  - g Ebola
  - h Others
    - Vancomycin-resistant Enterococcus
    - Septic Shock
    - Lyme Disease
    - Respiratory Syncytial Virus Infection
    - Influenza
    - West Nile Virus
    - Herpes (Simplex)
    - Cytomegalovirus
    - Toxoplasmosis

## G. TRAUMA

1. Introduction
2. Head Injuries
3. Neck and Spinal Injuries
4. Burns
5. Others
  - a Electric Shock
  - b Cold Injuries
  - c Heat Syndrome
  - d Asphyxia
  - e Brown Recluse Spider
  - f Open Trauma Wounds

## H. IMMUNE SYSTEM

1. Introduction
2. Nonspecific Immune Response
3. Specific Immune REsponse
4. Immune Disorders
  - a Hypersensitivity
    - Allergy/Others
      - Asthma
      - Atopic Dermatitis
      - Latex Allergy
      - Anaphylaxis
    - Autoimmunity
      - Rheumatoid Arthritis
      - Juvenile Rheumatoid Arthritis
      - Ankylosing Spondylitis
      - Lupus Erythematosus
      - Fibromyalgia
    - Others
      - Scleroderma
      - Polymyositis and Dermatomyositis
      - Vasculitis
5. Immunodeficiency
  - a AIDS
  - b Others
    - Chronic Fatigue

## I. MUSCULOSKELETAL SYSTEM

1. Introduction
  - a Skeletal System
  - b Articular System
  - c Muscles
2. Congenital Disorders
  - a Clubfoot
  - b Developmental Dysplasia of the Hip
3. Joint Disorders
  - a Septic Arthritis
  - b Neurogenic Arthropathy
  - c Osteoarthritis
  - d Others
    - Gout
4. Bone Disorders
  - a Osteomyelitis
  - b Osteoporosis
  - c Fractures
  - d Dislocations and Subluxations
  - e Others
    - Legg-Calve-Perthes Disease
    - Osgood-Schlatter Disease
    - Hallux Valgus
    - Kyphosis
    - Scoliosis
5. Tumors
6. Spine
7. Muscle and Connective Tissue Disorders
  - a Tendinitis and Bursitis
  - b Sprains and Strains
  - c Myositis Ossificans
  - d Others
    - Epicondylitis
    - Achilles Tendon Contracture
    - Carpal Tunnel Syndrome
    - Torticollis
8. Miscellaneous
  - a Herniated Disk
  - b Amputation
9. Age-Related Musculoskeletal System Changes
  - a Connective Tissue Changes
  - b Cartilage Changes
  - c Body Composition Changes
  - d Muscle Changes
  - e Skeletal Changes

## J. NEUROLOGIC DISORDERS

1. Introduction
2. Congenital Disorders
  - a Cerebral Palsy
  - b Spinal Cord Defects
  - c Others
    - Hydrocephalus
    - Cerebral Aneurysm
    - Arteriovenous Malformations
3. Paroxysmal Disorders/Others

- a Headache
- b Seizure Disorder
- 4. Brain and Spinal Cord Disorders
  - a CVA
  - b Parkinson's Disease
  - c Guillain-Barre Syndrome
  - d Alzheimer's Disease
  - e Others
    - Meningitis
    - Encephalitis
    - Brain Abscess
    - Huntington's Disease
    - Reye's Syndrome
- 5. Neuromuscular Disorders
  - a Myasthenia Gravis
  - b Amyotrophic Lateral Sclerosis
  - c Multiple Sclerosis
- 6. Peripheral Nerve Disorders
  - a Bell's Palsy
  - b Others
    - Peripheral Neuritis
- 7. Age-Related Neurological Changes
  - a CNS Changes
  - b Homeostasis
  - c PNS Changes
  - d Sensory Changes

## K. SKIN DISORDERS

- 1. Introduction
- 2. Principal Types of Lesions
- 3. Principles of Treatment
- 4. Stasis Dermatitis
- 5. Pressure Ulcers
- 6. Malignancies
- 7. Others
  - a Folliculitis, Furunculosis and Carbunculosis
  - b Dermatophytosis
  - c Seborrheic Dermatitis
  - d Nummular Dermatitis
  - e Contact Dermatitis
  - f Chronic Dermatitis
  - g Localized Neurodermatitis
  - h Exfoliative Dermatitis
  - i Psoriasis
  - j Hyperhidrosis
- 8. Age-Related Skin Changes

## L. CARDIOVASCULAR DISORDERS

- 1. Introduction
- 2. Congenital Defects
  - a Epidemiology
  - b Etiology
  - c Diagnosis
  - d Specific Defects
    - Ventricular Septal Defect
    - Atrial Septal Defect
    - Coarctation of the Aorta

- Patent Ductus Arteriosus
  - Tetralogy of Fallot
  - Transposition of Great Arteries
3. Valve Disorders
    - a Etiology
    - b Treatment
  4. Acquired Inflammatory Heart Diseases/Others
    - a Myocarditis
    - b Endocarditis
    - c Pericarditis
    - d Rheumatic Fever and Rheumatic Heart Disease
  5. Degenerative Cardiovascular Disorders
    - a Hypertension
    - b Coronary Artery Disease
    - c Myocardial Infarction
    - d Heart Failure
    - e Others
      - Dilated Cardiomyopathy
      - Hypertrophic Cardiomyopathy
      - Cor Pulmonale
  6. Cardiac Arrhythmias
  7. Aortic Aneurysms
  8. Others
    - a Hypovolemic Shock
    - b Cardiogenic Shock
    - c Ventricular Aneurysm
    - d Cardiac Tamponade
  9. Vascular Disorders
    - a Venous Disorders
      - Thrombophlebitis
      - Chronic Venous Insufficiency
    - b Arterial Disorders
      - Acute
      - Chronic Arteriosclerotic Vascular Disease
      - Thromboangitis obliterans
      - Raynaud's Disease and Phenomenon
  10. Age-Related Cardiovascular Changes

## M. HEMATOLOGIC DISORDERS

1. Introduction
2. Anemias
  - a Clinical Expression
  - b Pernicious Anemia
  - c Aplastic Anemias
  - d Others
    - Iron Deficiency Anemia
3. Polycythemias
  - a Polycythemia Vera
  - b Others
    - Spurious Polycythemia
4. Hemorrhagic Disorders
  - a Thrombocytopenia
  - b Others
    - Granulocytopenia and Lymphocytopenia
5. Age-Related Hematologic Changes

## N. RESPIRATORY DISORDERS



1. Introduction
2. Acute Disorders
  - a Pulmonary Edema
  - b Atelectasis
  - c Pulmonary Embolism
  - d Others
    - Acute Respiratory Failure in COPD
    - Respiratory Acidosis
    - Respiratory Alkalosis
    - Pneumothorax
    - Pneumonia
    - Hemothorax
    - Pleural Effusion and Empyema
3. Chronic Disorders
  - a Chronic Obstructive Pulmonary Disease
  - b Bronchiectasis
  - c Tuberculosis
4. Age-Related Pulmonary Changes

## O. ENDOCRINE DISORDERS

1. Introduction
2. Hypothalamus
3. Pituitary Gland
  - a Disorders/Others
    - Hypopituitarism
    - Hyperpituitarism
    - Diabetes Insipidus
4. Thyroid Gland
  - a Disorders/Others
    - Hypothyroidism in Adults
    - Hypothyroidism in Children
    - Simple Goiter
    - Hyperthyroidism
5. Parathyroid Glands
  - a Disorders/Others
    - Hypoparathyroidism
    - Hyperparathyroidism
6. Adrenal Gland
  - a Disorders/Others
    - Adrenal Hypofunction or Addison's Disease
    - Cushing's Syndrome
    - Hyperaldosteronism
    - Adrenogenital Syndrome
    - Pheochromocytoma
7. Pancreatic Gland
  - a Diabetes Mellitus
8. Gonads
9. Age-Related Endocrine Changes

## P. OB/GYN AND SEXUAL DISORDERS

1. Introduction
2. Gynecological and Obstetric Disorders
  - a Menopause
  - b Diastasis Recti
  - c Others
    - Endometriosis

3. Sexually Transmitted Diseases/Others
  - a Gonorrhea
  - b Chlamydial Infections
  - c Genital Herpes
  - d Genital Warts
  - e Syphilis
  - f Trichomoniasis
  - g Nonspecific Genitourinary Infections

#### Q. RENAL AND UROLOGIC DISORDERS

1. Introduction
2. Acute Renal Diseases
  - a Acute Renal Failure
  - b Renal Calculi
3. Chronic Renal Disorders
  - a Nephrotic Syndrome
  - b Chronic Renal Failure
4. Lower Urinary Tract Disorders
  - a Neurogenic Bladder
5. Others
  - a Acute Pyelonephritis
  - b Lower Urinary Tract Infection
  - c Benign Prostatic Hyperplasia
6. Age-Related Renal/Urological Changes

#### R. METABOLIC AND NUTRITIONAL DISORDERS

1. Introduction
2. Nutritional Imbalance
  - a Deficiencies
  - b Excesses
3. Metabolic Disorders
  - a Hypoglycemia
4. Homeostatic Imbalance

#### S. HEPATOBILIARY DISORDERS

1. Introduction
2. Liver Disease
  - a Viral Hepatitis
  - b Nonviral Hepatitis
3. Others
  - a Cirrhosis and Fibrosis
  - b Hepatic Encephalopathy
  - c Cholelithiasis
  - d Choledolithiasis
  - e Cholangitis
  - f Cholecystitis
  - g Cholesterosis
  - h Biliary Cirrhosis
  - i Gallstone Ileus
  - j Postcholecystectomy Syndrome
  - k Acalculous Cholecystitis
4. Age-Related Hepatobiliary Changes

#### T. GASTROINTESTINAL DISORDERS

1. Introduction
2. Mouth and Esophagus/Others
  - a Gastroesophageal Reflux
  - b Hiatal Hernia
3. Stomach, Intestine and Pancreas

- a Peptic Ulcers
- b Inguinal Hernia
- c Others
  - Gastritis
  - Gastroenteritis
  - Ulcerative Colitis
  - Crohn's Disease
  - Irritable Bowel Syndrome
  - Diverticular Disease
  - Appendicitis
  - Peritonitis
  - Intestinal Obstruction
  - Inactive Colon
  - Pancreatitis
- 4. Anorectum
  - a Pilonidal Disease
  - b Others
    - Hemorrhoids
- 5. Age-Related Gastrointestinal Changes

## U. PSYCHIATRIC DISORDERS

- 1. DSM-IV
- 2. Psychosocial Assessment
- 3. Infancy, Childhood and Adolescence
  - a Mental Retardation
  - b Tic Disorders
  - c Autistic Disorder
  - d Attention-Deficit Hyperactivity Disorder
  - e Conduct Disorder
- 4. Psychoactive Substance Abuse
  - a Alcohol-Related Disorder
  - b Substance Abuse and Induced Disorders
- 5. Schizophrenic Disorders
  - a Schizophrenia
  - b Delusional Disorders
- 6. Mood Disorders
  - a Bipolar Disorders
  - b Major Depression
- 7. Anxiety Disorders
  - a Phobias
  - b Generalized Anxiety Disorder
  - c Panic Disorder
  - d Obsessive-Compulsive Disorder
  - e Posttraumatic Stress Disorder
- 8. Somatoform Disorders
  - a Somatization Disorder
  - b Conversion Disorder
  - c Pain Disorder
  - d Hypochondriasis
  - e Body Dysmorphic Disorder
- 9. Dissociative and Personality Disorders
  - a Dissociative Identity Disorder
  - b Dissociative Fugue
  - c Dissociative Amnesia
  - d Depersonalization Disorder
  - e Personality Disorders

- 10. Eating Disorders
  - a Bulimia Nervosa
  - b Anorexia Nervosa
- 11. Sexual and Gender Identity Disorders
  - a Female Arousal and Orgasmic Disorders
  - b Dyspareunia
  - c Vaginismus
  - d Erectile Disorder
  - e Premature Ejaculation
  - f Gender Identity Disorders
  - g Paraphilias

**Student Evaluation of Instruction will be announced via Blackboard**

**Competencies:**

- 1.0 To demonstrate understanding diseases and disorders sufficiently to safely and effectively apply physical therapy interventions within the plan of care established by the physical therapist, the student should be able to:
  - 1.1 Define disease-related terminology.
  - 1.2 Identify selected mechanisms of injury, inflammation and repair.
  - 1.3 Identify the etiology and signs and symptoms of selected diseases and disorders.
  - 1.4 Identify medical treatment and prognoses of selected diseases and disorders.
- 2.0 To demonstrate identifying aspects of pathophysiology which affect physical therapy interventions, the student should be able to:
  - 2.1 Identify specific disease or disorder-related precautions and contraindications for physical therapy interventions.
  - 2.2 Identify the diagnostic procedures that affect physical therapy interventions and their precautions and contraindications.
  - 2.3 Identify medical treatment and/or medication-related precautions and contraindications for physical therapy intervention.
- 3.0 To demonstrate describing the correct response to acute physiological changes in the patient's condition, the student should be able to:
  - 3.1 List normal ranges for vital signs.
  - 3.2 \*Describe signs and symptoms of adverse responses to activity and conditions requiring treatment modification, treatment discontinuation, or immediate medical attention.
  - 3.3 \*Describe appropriate responses to signs and symptoms of adverse responses to activity and conditions requiring treatment modification, treatment discontinuation, or immediate medical attention.
- 4.0 To demonstrate obtaining pertinent drug-related information and understanding the impact of selected drugs on physical therapy treatment, the student should be able to:
  - 4.1 \*Locate, examine and describe the effects, indications, contraindications, side effects and adverse reactions of various commonly used drugs on physical therapy interventions according to guidelines provided in class.

*\*Indicates integrated, core curriculum skills (math, reading, writing, communication, technological literacy and/or critical thinking)*

# Grading

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Type of Assignment	Percentage/Points	Learning Objective
Test (5 formal tests + cadaver assignment + Quiz average)	70%	1-5
Project	10%	4 & 5
Final Exam	20%	1-5
	100%	<b>TOTAL</b>

## Grading Scale:

“A” = 90-100

“B” = 80-89

“C” = 70-79

“D” = 60-69

“F” = 0-59

## Student Course Participation

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**As a student, I understand that I am responsible for keeping up with the course. To help with this, I will**

- identify alternative computer and internet access in case my primary computer crashes or my internet service is unavailable;
- recognize that the college provides free wi-fi and computer labs during regular campus hours to help me with accessing my course; and,
- understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my equipment or service is unreliable.

**As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to**

- getting “kicked off” of the system during tests or quizzes;
- having trouble submitting assignments; and
- dealing with a traumatic personal event.

**As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will**

- seek out help from my instructor and/or from tutors;
- ask questions if I don’t understand; and
- access my course several times during the week to keep up with assignments and announcements.

**As a student, I understand that I will have the opportunity to provide feedback on my experience in this course through an end-of-course Student Evaluation of Instruction (SEI).**

# Course Policies

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## Disclaimer

This syllabus is tentative and subject to change in any part at the discretion of the instructor. Any changes will be in accordance with Odessa College policies. Students will be notified of changes, if any, in a timely manner.

## Original Effort

The work submitted for this course must be original work prepared by the student enrolled in this course.

## Course Alignment with Industry Standards

This course is required as a component of the degree plan for an AAS in PTA. CAPTE accreditation of the PTA program can be found on the PTA Program website [www.odessa.edu/dept/pta](http://www.odessa.edu/dept/pta)

## Digital Protocol

Cell phones must be placed on either *vibrate* or *silent* mode and are to be accessed in emergency cases only. The use of laptops or any other digital device is permitted in order to facilitate learning.

**For online submissions, the electronic recording of the time on Blackboard will be considered the time of assignment submission. Take necessary steps to ensure that your assignments are submitted on “Blackboard” time.** Back-up and/or additional copies of all assignments submitted is encouraged. **Computers/printers are available to OC students in the LRC (301-303); therefore, not having access to a computer due to technical issues (crash; corrupted files) will not be considered as an acceptable reason for not completing assignments.** If there is a loss of server connection with Odessa College due to maintenance, then an email will be sent to students with pertinent information and status reports. Assignments submitted electronically need to follow the file-type requirements provided by the instructor.

## Attendance Policy

Regular attendance at lecture is essential and has a direct effect on the final grade that a student earns in class. Non-attendance on the part of a student may result in grade penalty or may lead to dismissal from the program.

A student should attend all lecture sessions, in addition to the off-campus learning experience. Habitual or patterned absenteeism in lecture or lab will not be tolerated. As soon as such a problem is identified, the student will be required to meet with the faculty to determine a course of action and, if the problem is not corrected, the student will be subject to dismissal from the program.

All absences must be reported to the appropriate faculty member prior to the start of class. If the faculty member cannot be reached directly, a voice mail message may be left. Failure to notify the faculty prior to an absence will affect the student's Professional Behaviors Assessment. Absences are deemed 'excused' or 'unexcused' at the discretion of the instructor.

**3 unexcused absences will result in loss of 10 points from the student's final grade, at the discretion of the PTA instructor.**

The expected/mandatory off-campus learning experience is a day-trip in an OC vehicle to the Hardin-Simmons University campus in the cadaver lab, hosted by the faculty of the Doctor of Physical Therapy (DPT) Program. Every effort is made for timely notification to the student of the date of the trip so obligations outside of class may be adjusted. As this experience is required as part of the course, an assignment will be due one week after the trip to assess the student's learning. This assignment will

count as one test grade, or modified at the discretion of the instructor. In the event this trip is cancelled by the HSU faculty or OC PTA faculty, the student will be given opportunity to demonstrate learning for the required assignment indirectly thorough research (e.g. interviews, online videos and images, virtual tours, etc).

## **AVID**

Multiple AVID strategies are utilized in this course, including but not limited to JigSaw, Think-Pair-Share, Quick Write, and Muddiest Point.

## **Grade Inquiry**

It is the responsibility of the student to keep track of assignment submissions and grades. At any point, you are welcome to meet with the instructor to discuss your academic progress. Contact the instructor to schedule an appointment.

## **General Course Requirements**

1. Attend class and participate/engage.
2. Contribute and cooperate with civility.
3. **Submit assignments on time. Medical and/or family circumstances which possibly warrant an extension on assignments need to be presented to the instructor. Extensions without a penalty will be allowed at the instructor's discretion. Late assignments (without an approved extension) will be assessed a 10% per day penalty.**
4. Please understand that this is a required course for the PTA program in order to prepare you in taking the National Board Exam in the July, after your graduation. Quality work and active participation is expected and not to be negotiated. As a general policy, grades will be taken in class. Any written assignments or tests will be graded outside of class. You can expect feedback on assignments within one to two week's time.

**Note: Students must make a minimum grade of a 70 "C" in each PTA course in order to remain in the PTA Program.**

## **Professional Behavior**

Professional behavior is absolutely essential both while the individual is a student in this program as well as after graduation. The Professional Behaviors Assessment form provides a standard for behavior and a mechanism for self-assessment by the student as well as assessment by faculty during the academic component of the program. If a faculty member observes consistent failure to demonstrate acceptable professional behavior by a student, the faculty member will utilize the assessment form as a tool for counseling the student. **Failure to respond appropriately to counseling regarding professional behaviors will result in dismissal from the program.**

## **PTA Test Review Policy**

Following an assessment/exam, a hard copy with correct answers indicated will be available in the instructor's office for students to review. Review will be supervised by the instructor. Students will not have access to paper or electronic media while reviewing the exam. Students will have access to review a test for one week after receiving their grade.

## **Missing an Exam**

Exams are defined as formally scheduled examinations covering a major portion of the course content and cumulatively comprising a relatively large percentage of the overall grade for a course. Every effort should be made by the student to be present for all exams. If it is necessary for a student to miss an exam, the instructor must be notified prior to the scheduled exam time and arrangements must be made for make-up. It is the instructor's option to give the same exam as the one missed or a different exam over the same content. If the exam is not made up within one class day, a 5% per day penalty will be assessed each day the exam is not taken.

## **Project: Pharmacology Project or Commonly Used Tests for Cardiovascular Disorders Project**

Students will complete either a pharmacology project on drugs OR a project on medical diagnostic tests commonly used/received by patients receiving physical therapy treatment. Instructions and due dates will be provided in class. This project will be worth 10% of the overall grade.

### **Quizzes**

Due to the extensive content covered in this course, it is not possible to discuss each and every disease or disorder in class. For this reason there are diseases and disorders specific to each system of the body which are to be read and studied independently by the student, regardless of it's discussion in class. To encourage students to participate fully in this aspect of the course, quizzes will be given on these diseases or disorders. Quiz format will be at the discretion of the instructor, but may include: questions presented on PowerPoint slides answered by students using individual response devices, questions presented electronically on Blackboard with a time limit, questions presented as a handout in class. At the discretion of the instructor, students may be allowed to refer to notes prepared in advance but not to the textbook during the administration of the quizzes.

Grading will be based on the following: the total semester quiz average will be a test grade, averaged into Test percentage as specified in the syllabus. The lowest quiz grade will be dropped. Quizzes are identified in the Course Calendar, given during class time and cannot be made-up. It is the discretion of the instructor as to the timing of the quizzes during class.

### **Incomplete Policy**

An 'Incomplete' grade may be given only if:

1. The student has passed all completed work
2. If he/she has completed a minimum of 75% of the required coursework. A grade of an "I" will only be assigned when the conditions for completions have been discussed and agreed upon by the instructor and the student.
3. An Incomplete form is submitted

## **Course Schedule**

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*(Tentative and Subject to Change)*

See Course Calendar on Blackboard

## **Odessa College Policies**

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### **Tuition Discounts**

The "***First Course is Free***" discount waives standard tuition and fees for the first 3 credit hours taken at Odessa College. The discount applies to high school graduates taking their first class at Odessa College as well as transfer students taking their first class at Odessa College.

The "***Academic Progress Discount***" provides a 10% tuition discount upon completion of 30 credit hours until reaching 45 credit hours. It provides a 20% discount upon completion of 45 credit hours until reaching 60 credit hours. Student must maintain a 2.0 GPA to remain eligible for the discount.

### **Academic Policies**

Note that the OC Student Handbook states (page 32) that "[i]n cases of academic dishonesty, the instructor has the authority to impose appropriate scholastic penalties. Complaints or appeals of disciplinary sanctions may be filed in accordance with the college due process procedure. Copies of the college due process procedure are available in the office of The Director of Student Life (CC104)."



For more information on your rights and responsibilities as a student at Odessa College, please refer to the following: *The 411 of OC: Student Handbook 2014-2015; Student Rights & Responsibilities* <http://www.odessa.edu/dept/studenthandbook/>

### **Scholastic Dishonesty**

Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by OC board and PTA Program policies. Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism and collusion.

#### **"Cheating on a test" shall include:**

- Copying from another student's test paper
- Using test materials not authorized by the person administering the test.
- Collaborating with or seeking aid from another student during a test without permission from the test administrator.
- Knowingly using, buying, selling, stealing or soliciting, in whole or in part, the contents of an unadministered test.
- The unauthorized transporting or removal, in whole or in part, of the contents of the unadministered test.
- Substituting for another student, or permitting another student to substitute for one's self, to take a test.
- Bribing another person to obtain an unadministered test or information about an unadministered test.
- "Plagiarism" shall be defined as the appropriating, buying, receiving as a gift, or obtaining by any means another's work and the unacknowledged submission or incorporation of it in one's own written work.
- "Collusion" shall be defined as the unauthorized collaboration with another person in preparing written work for fulfillment of course requirements. (Source: *Odessa College Student Handbook 2012-2013, page 29-30*)

### **Special Populations/Disability Services/Learning Assistance**

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Odessa College affirms that it will provide access to programs, services and activities to qualified individuals with known disabilities as required by **Section 504 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1990 (ADA)**, unless doing so poses an undue hardship or fundamentally alters the nature of the program or activity. Disabilities may include hearing, mobility or visual impairments as well as hidden disabilities such as chronic medical conditions (arthritis, cancer, diabetes, heart disease, kidney disorders, lupus, seizure disorders, etc.), learning disabilities or psychiatric or emotional disabilities. A student who comes to Odessa College with diagnosed disabilities which may interfere with learning may receive accommodations when the student requests them and submits proper documentation of the diagnosis. A Request for Accommodations form and guidelines for beginning the request process are available in the OC Help Center or on the Odessa College web site at <http://www.odessa.edu/dept/counseling/disabilities/index.htm>. The college strives to provide a complete and appropriate range of services for students with disabilities such as assistance with testing, registration, information on adaptive and assistive equipment, tutoring, assistance with access and accommodations for the classroom where appropriate. For information regarding services,

students with disabilities should contact the Office of Disability Services in the OC Help Center located in Room 204 of the Student Union Building or call 432-335-6433.

### Dropping a Course or Withdrawing from College

Students wishing to drop a non-developmental course may do so online using WebAdvisor, at the Wrangler Express, or Registrar’s Office. A student wishing to drop a developmental course or withdraw from college should obtain a drop or withdrawal form from the Wrangler Express or the Registrar’s Office. Students are encouraged to consult with instructors prior to dropping a class. Students may not completely withdraw from the college by use of the Web. Students must drop a class or withdraw from college before the official withdrawal date stated in the class schedule. Students who are part of the Armed Forces Reserves may withdraw with a full refund if the withdrawal is due to their being ordered into active duty. A copy of the student’s orders must be presented to the Registrar’s Office at the time of the withdrawal. For details, please contact the Office of the Registrar. **No longer attending class does not automatically constitute withdrawal from that class, nor does a student’s notification to an instructor that the student wishes to be dropped. Failure of a student to complete the drop/withdrawal process will result in a grade of “F.”**

## Student Support Services and Technical Support

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### Blackboard Support

#### I can’t log into my Blackboard Course, who do I contact?

Contact the Student Success Center: 432-335-6673 or online at [https://www.odessa.edu/dept/ssc/helpdesk\\_form.htm](https://www.odessa.edu/dept/ssc/helpdesk_form.htm). The SSC can provide you with your Blackboard login name. If you are not sure what your password is, they can reset your password.

#### I’m having a problem in my Blackboard Course, who do I contact?

For any problem that you have in your online course, always contact your Instructor first. Refer to the Instructor’s Contact Information area of the Syllabus for their preferred method of contact and the expected response time.

### Additional Blackboard Help Resources:

Service	Assistance Provided	Available
<b>Blackboard Help for Students</b>	Website with a searchable list of topics on how to navigate and use Blackboard for online courses.	Online <a href="#">Click here.</a>
<b>Blackboard On Demand Learning Center for Students</b>	This website provides an extensive list of short tutorial videos for student activities performed in Blackboard.	Online <a href="#">Click here.</a>
<b>Blackboard Collaborate: First Time Users</b>	If you have never used Blackboard Collaborate before, this website provides a system requirements check, configuration instructions, and training and resources area.	Online <a href="#">Click here.</a>
<b>Blackboard Collaborate: Essentials for Participants</b>	This website provides essential information for Participants of	Online <a href="#">Click here.</a>

	Collaborate sessions. Any Collaborate user, whether first-time or experienced, would benefit from reviewing the information here.	
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## Student E-mail Support

### How do I set up, access, or update my Odessa College Student E-mail account?

Go to this website and follow the directions on the page: <http://www.odessa.edu/gmail/>.

### I can't access my student email! I forgot my password!

Contact the Student Success Center: 432-335-6673 or online at [https://www.odessa.edu/dept/ssc/helpdesk\\_form.htm](https://www.odessa.edu/dept/ssc/helpdesk_form.htm). They can provide you with assistance in accessing your student email (created by OC) and can also assist with resetting your student email password. Make sure to have your student ID number available!

**Your Blackboard login name is associated with your OC created student email account. All Correspondence for this course will be submitted using your Odessa College student email address.**

## Support for Students with Disabilities

### How do I contact the Office of Special Populations?

<b>Main Number</b>	432-335-6861
<b>Campus Location</b>	SUB 204N in the Student Union Building
<b>Email</b>	Becky Rivera-Weiss - <a href="mailto:brivera@odessa.edu">brivera@odessa.edu</a>
<b>Website</b>	To find out more about services provided by the Special Populations office, please visit: <a href="http://www.odessa.edu/dept/counseling/disabilities/index.htm">http://www.odessa.edu/dept/counseling/disabilities/index.htm</a>

## Learning Resources Center (LRC; Library)

### How do I contact the Learning Resource Center?

<b>Main Number</b>	432-335-6640
<b>FAQ Service</b>	LibAnswers: <a href="http://libanswers.odessa.edu">http://libanswers.odessa.edu</a>
<b>Contact a Specific OC Librarian</b>	Pat Quintero at 432/335-6350 or <a href="mailto:pquintero@odessa.edu">pquintero@odessa.edu</a> Donna Clark at 432/335-6645 or <a href="mailto:dclark@odessa.edu">dclark@odessa.edu</a> Carolyn Petersen at 432/335-6641 or <a href="mailto:cpetersen@odessa.edu">cpetersen@odessa.edu</a>
<b>LRC Services and Guidelines Website</b>	<a href="https://www.odessa.edu/dept/library/services/index.htm">https://www.odessa.edu/dept/library/services/index.htm</a>

## Equipment and Services Provided:

The Murry H. Fly Learning Resources Center (LRC) supports the college's curriculum resulting in a primary emphasis on each student's individual study and research needs. The faculty and staff work with the LRC's Technical Services and Public Services Departments in choosing materials to support all college programs. More than 59,000 books, 50,000 electronic books, 350 current periodicals, 6,700 media holdings, eight newspapers, and 60 databases are available to enhance the educational process.

Equipment/Services Available	Used For	Available
Books, videos, CDs	Research	On Campus and Online
Specialized databases not available online for free	Research	On Campus and Online
Magazines, newspapers, & scholarly journals	Research	On Campus and Online
Computers	Research & word processing	On Campus
Selected textbooks for short-term use	Course work	On Campus
Trained staff	Answer "where do I find?"	On Campus and Online
Tutorials	Tips for research strategies	On Campus and Online
Photocopiers, VHS/DVD players, FAX service	For course work	On Campus
Quiet study areas	For course work	On Campus

### Student Success Center (SSC) / AVID Center

#### How do I contact the Student Success Center?

*Appointments are preferred, but walk-ins will be served as soon as possible.*

<b>Main Number</b>	432-335-6673
<b>Campus Location</b>	1st floor of the Library
<b>Website with Additional Help and Information</b>	<a href="http://www.odessa.edu/dept/ssc/">http://www.odessa.edu/dept/ssc/</a>
<b>Live Online Assistance / Chat</b>	<a href="#">Click Here</a> (If no one is currently available, please put your email and question(s) in the appropriate areas of the form and hit 'send.' Your question(s) will be addressed as soon as an SSC staff member becomes available.)

**Equipment and Services Provided:**  
The purpose of the Odessa College Student Success Center is to provide assistance to students in meeting their academic and career goals. The SSC strives to continually provide new and updated resources that will empower all Odessa College students to succeed at OC and beyond.

Equipment/Services Available	Used For	Available
Tutoring by CRLA & Avid trained tutors	Understanding course work and motivation	On Campus and Online <a href="#">Click here for more information.</a>
Student Information Seminars (SIS)	Demo email, Blackboard and SSC resources	On Campus and Online <a href="#">Click here for more information.</a>

Study Skills	Tools needed to succeed	On Campus and Online <a href="#">Click here for more information.</a>
Basic Technology	To navigate classes, email, etc.	On Campus and Online
Plato Web	Practice for TEAS test and basic math, science, etc.	On Campus and Online <a href="#">Click here for more information.</a>
Project T.I.E.	Practice for GED/COMPASS	On Campus and Online <a href="#">Click here for more information.</a>
Student Orientation/Tour	Show individual students where their classes will be. SIS presentation	On Campus
M.O.R.E. Mentoring Program	Networking, tips to navigate college life successfully	On Campus <a href="#">Click here for more information.</a>
Smart thinking	Online tutoring service. Connect with an e-structor and interact with a live tutor.	Online <a href="#">Click here for more information.</a>

## Veterans Support

### How do I contact the office for Veteran's Outreach?

<b>Main Number</b>	432-335-6833
<b>Campus Location</b>	204M (Help Center) in the Student Union Building
<b>Email</b>	Gloria Rangel - <a href="mailto:grangel@odessa.edu">grangel@odessa.edu</a>
<b>Website</b>	To find out more about services provided by the Veteran's Outreach office, please visit: <a href="http://www.odessa.edu/dept/counseling/veterans/index.htm">http://www.odessa.edu/dept/counseling/veterans/index.htm</a>