

**ANGELO STATE UNIVERSITY**

**Bachelor of Science in Health Science Professions**

**HSP 3420**

**Clinical Pathology for Health Professionals**

**Fall 2019**

**Chelsea Procter-Willman, MS, LAT, ATC**



ANGELO STATE UNIVERSITY

Department of Health Science Professions

**COURSE NUMBER**

HSP 3420

**COURSE TITLE**

HSP 3420 Clinical Pathology for Health Professionals

**CREDITS**

(3-3-0)

**PREREQUISITE COURSES**

HSP 2325 "Basic Skills for Healthcare Professionals"

**CO-REQUISITES**

N/A

**FACULTY**

Chelsea Procter-Willman, MS, LAT, ATC

Office: Archer Building 222D

Phone: 325-486-6423

Email: [cprocter@angelo.edu](mailto:cprocter@angelo.edu) (preferred method of communication)**OFFICE HOURS**

Tuesday 10:00am-2:00pm, Thursday 9:30am-11:00am and by appointment

**COURSE DESCRIPTION**

This course provides information on the prevention and management of systematic disorders, skin diseases, environmental disorders, and other ailments related to the human body.

**STUDENT LEARNING OUTCOMES**

<p style="text-align: center;"><b>Student Learning Outcome</b></p> <p>By completing all course requirements, students will be able to:</p>	<p style="text-align: center;"><b>Assignment(s) or activity(ies) validating outcome achievement:</b></p>
<p>1. Describe the etiology, pathogenesis, pathomechanics, signs, symptoms, and epidemiology of common illnesses and diseases.</p>	<p>Lectures, quizzes, exams, &amp; assignments</p>
<p>2. Describe the etiology, pathogenesis, pathomechanics, signs, symptoms, and epidemiology of common illnesses and diseases that are associated with sudden death during physical activity, including but not limited to: sudden cardiac arrest, asthma, traumatic brain injury, hyponatremia, exertional sickling, and anaphylactic shock.</p>	<p>Lectures, quizzes, exams, &amp; assignments</p>
<p>3. Explain and perform a complete medical examination, which includes assessment, interpretation of findings, determination of participation status, and referral decisions conducted using standard techniques and procedures.</p>	<p>Practical exams</p>

4. Describe basic principles of pharmacology, drug categories, and common procedures used in the field.	Lectures, quizzes, exams, & assignments
5. Describe infection control regulations and guidelines for the prevention, exposure, and control of infectious diseases.	Lectures, quizzes, exams, & assignments
6. Document the results of the assessment including the diagnosis, return to play parameters, and referral options.	Lectures, quizzes, exams, practicals & assignments

**REQUIRED TEXTS AND MATERIALS**

Flanagan, KW, Cuppett, M. Medical Conditions in the Athlete. 3<sup>rd</sup> ed. Champaign, IL: Human Kinetics; 2017. 978-1-4925-3350-4.

**STUDENT RESPONSIBILITY AND ATTENDANCE**

It is the student’s responsibility to be on time for class, participate in class discussions, and be actively engaged in the learning process. Instructions and assignments will often be given during class, therefore it is in your best interest to attend. If you have to miss class due to an unforeseen event/accident or illness, please contact the instructor prior to the start of class. Pending the reason for your absence, the instructor may inform you of any missed homework assigned during class. Not acceptable reasons for absences include but are not limited to: over sleeping, work, wanting to leave early or come back late from the weekend, and celebrating a friend, relative or pet’s birthday. If you are sick, let the instructor know and bring a physician’s note when you come back to class.

**LATE WORK OR MISSED ASSIGNMENTS POLICY** Late work will not be accepted unless you have received permission from the instructor prior to the due date. If you miss an assignment due to an unexcused absence, you are out of luck. Show up for class!

**ACADEMIC HONESTY** Academic honesty is expected on all work. Students are expected to maintain complete honesty and integrity in their online experiences. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU. The Department of Health Science Professions adheres to the academic honesty statement as set forth in the Angelo State University Student Handbook (2011-2012) <http://www.angelo.edu/content/files/17358-university-honor-code>. The University "faculty expects all students to engage in all academic pursuits in a manner that is above reproach and to maintain complete honesty and integrity in the academic experience both in and out of the classroom setting and may initiate disciplinary proceedings against a student accused of any form of academic dishonesty, including but not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials."

**PLAGIARISM**

Plagiarism at ASU is a serious topic. The Angelo State University’s Honor Code gives specific details on plagiarism and what it encompasses. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word for word without quotation marks and the source of the quotation. We use the *APA Style Manual of the American Psychological Association* as a guide for all writing assignments. Quotes should be used sparingly. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list. Papers are subject to be evaluated for originality via Bb Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center [http://www.angelo.edu/dept/writing\\_center/academic\\_honesty.php](http://www.angelo.edu/dept/writing_center/academic_honesty.php).

### **STUDENTS WITH DISABILITIES**

1. "Angelo State University is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), and subsequent legislation."

2. The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student's responsibility to initiate such a request by contacting the Office of Student Affairs, University Center, Room 112 at (325) 942-2047 or (325) 942-2211 (TDD/FAX) or by e-mail at [studentservices@angelo.edu](mailto:studentservices@angelo.edu) to begin the process. The Office of Student Affairs will establish the particular documentation requirements necessary for the various types of disabilities. Reasonable accommodations will be made for students determined to be disabled or who have documented disabilities.

### **INCOMPLETE GRADE POLICY (OP 10.11 Grading Procedures)**

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required.

### **STUDENT ABSENCE FOR OBSERVANCE OF RELIGIOUS HOLY DAYS**

"A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence." Please see ASU Operating Policy [10.19](#).

### **COPYRIGHT POLICY**

Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

### **SYLLABUS CHANGES**

The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student's responsibility to look for such communications about the course on a daily basis.

**Title IX at Angelo State University:**

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

Online: [www.angelo.edu/incident-form](http://www.angelo.edu/incident-form)

Face to Face: Mayer Administration Building, Room 210

Phone: 325-942-2022

E-Mail: [michelle.boone@angelo.edu](mailto:michelle.boone@angelo.edu)

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325- 942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942- 2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit: [www.angelo.edu/title-ix](http://www.angelo.edu/title-ix).

**This course is graded strictly on points NOT percentages. The amount of points you earn determines your grade in the course. I DO NOT ROUND UP GRADES at the end of the semester. It is your responsibility to keep track of the total course points you have accumulated and take advantage of the bonus points available in the course.**

**COURSE EVALUATION AND GRADING SCALE:**

<b>12 Case Studies (25 pts each)</b>	<b>300 pts</b>	<b>A: 1600-1440.00 points</b>
<b>4 Online Quizzes (25 pts each)</b>	<b>100 pts</b>	<b>B: 1439.99-1280.00 points</b>
<b>Pamphlet Project</b>	<b>100 pts</b>	<b>C: 1279.99-1120.00 point</b>
<b>2 Lab Practicals (150 pts each)</b>	<b>300pts</b>	<b>D: 1119.99-960.00 points</b>
<b>100 pts 4 Exams (100 pts each)</b>	<b>400pts</b>	<b>F: 959.99 points and below</b>
<b>1 Final Exam</b>	<b>200pts</b>	
<b>Assignments</b>	<b>100pts</b>	
<b>Lab Participation</b>	<b>100pts</b>	
<b>TOTAL:</b>	<b>1600pts</b>	

### Tentative Class Schedule

Date	Topic	Assignment	LAB	Ch.
8/26/19	Introduction / Syllabus			
8/28/19	Foundations – Role of AT		Basic Concepts Review	1
8/30/19	Foundations - Legal		History Taking/SOAP Notes	1
9/2/19	<b>No Class- LABOR DAY</b>			
9/4/19	Medical Exam		Medical Examination	2
9/6/19	Medical Exam	Medical Exam Online Quiz	Medical Examination	2
9/9/19	Diagnostic Imaging		Medical Examination	3
9/11/19	Diagnostic Imaging	Diagnostic Imaging Online Quiz	Reading Diagnostic Imaging	3
9/13/19	<b>EXAM #1</b>			1-3
9/16/19	Basic Principals of Pharmacology Common Procedures in the ATC		PDR Scavenger Hunt	4 6
9/18/19	Drug Categories	Drug Reference Online Quiz	Breathing Sounds	5
9/20/19	Respiratory System		Asthma	7
9/23/19	Respiratory System	Case Study #1	Respiratory Examination	7
9/25/19	Cardiovascular System	Terminology Online Quiz	CPR Review	8
9/27/19	Cardiovascular System	Case Study #2	Cardiovascular Examination	8
9/30/19	Gastrointestinal System		Percussion and Auscultation	9
10/2/19	Gastrointestinal System	Case Study #3	Lab Review	9
10/4/19	<b>Exam #2</b>			1-9
10/7/19	<b>LAB PRACTICAL #1</b>			1-9
10/9/19	<b>LAB PRACTICAL #1</b>			4-9
10/11/19	Genitourinary and Gynecological	Case Study #4	Urinalysis	10
10/14/19	Neurological System		Cranial Nerve Review/Concussion Testing	11
10/16/19	Neurological System	Case Study #5	Neurological Examination	11
10/18/19	The Eye		Eye Charts/ Ophthalmoscopes	12
10/21/19	The Eye	Case Study #6	Emergency Eye Care	12
10/23/19	Ear, Nose, Throat, & Mouth		Ear and Nose	13
10/25/19	Ear, Nose, Throat, & Mouth	Case Study #7	Throat and Mouth	13
10/28/19	Review/Catch Up Day			
10/30/19	<b>EXAM #3</b>			10-13
11/1/19	Systemic Disorders	Case Study #8	Glucometer	14
11/4/19	Infectious Diseases		Pandemic Assignment	15
11/6/19	Infectious Diseases	Case Study #9	Pandemic Assignment	15
11/8/19	Dermatological Conditions		Skin Examination	16
11/11/19	Dermatological Conditions	Case Study #10	Name That Skin Condition	16
11/13/19	Psychological and Substance Use Disorders		Recognition of Psychological Disorders	17

11/15/19	Psychological and Substance Use Disorders	Case Study #11		17
11/18/19	Working with Special Populations	PHAMLET DUE	Interview with Lauren Wernet	18
11/20/19	Working with Special Populations	Case Study #12	Wheelchair Sim	18
11/22/19	NO CLASS- REVIEW FOR EXAM			
11/25/19	EXAM #4			14-18
11/27/19	NO CLASS-THANKSGIVING BREAK			
11/29/19	NO CLASS-THANKSGIVING BREAK			
12/2/19	LAB PRACTICAL #2			10-18
12/4/19	LAB PRACTICAL #2			10-18
12/6/19	NO CLASS- REVIEW FOR FINAL			
12/9/19	Cumulative Final Exam – 8:00-10:00AM			

\*Syllabus Subject to Change\*

## ASSIGNMENT/ACTIVITY DESCRIPTIONS

### Case Studies: 12 Online Case Studies worth 25 points each for a total of 300 points

These case studies allow you to check your knowledge and critical reasoning skills. You'll get a two opportunities with each case study and 20 minutes to complete each one, so utilize your time wisely. Each case study will emphasis the maladies that we are covering in class. Pay attention to due dates on the syllabus as NO LATE case studies will be accepted.

### Online Quizzes: 4 quizzes worth 25 points each.

Online quizzes are intended to test your knowledge on content that is covered in class. You will have two attempts on each quiz, with the highest grade being recorded. No make-up attempts or late attempts will be accepted.

### Lab Practicals: 2 Practicals worth 150 points each

Each lab practice is designed to test your clinical, hands-on skills. Random skills that have been covered up to that point in the semester will be tested.

### General Medical Pamphlet: Worth 100 points

Students will create an information pamphlet over an general medical condition of their choice (pending instructor approval). There should be a minimum of 3 references (APA Format). Specific requirements are listed below. A rubric is proved with this syllabus. **Specifically, students are required to address:**

1. Anatomy
2. Risk Factors
3. Signs and Symptoms
4. Prevention
5. Immediate Management
6. Rehabilitation and Return to Play/ADLs

**End of Syllabus.**

Criteria	0 Points	5 Points	10 Points	Score
<b>Required Areas Addressed</b>	Fewer than 3 of the required areas were addressed.	3-5 Areas were addressed	All 6 areas were addressed.	
<b>References</b>	No references, incorrect references, or APA format not used	Fewer than 3 references or some incorrect references	Minimum of 3 references, utilizing correct APA formatting used throughout the pamphlet.	
<b>Sentence Structure</b>	Unclear, incorrect, and/or ineffective sentence structure	Simplistic and/or awkward sentence structure	Organized and clear sentence structures.	
<b>Grammar</b>	Multiple grammatical and stylistic errors	Some errors in grammar and/or format that do not interfere with clarity	Nearly error-free which reflects clear understanding and thorough proofreading	
<b>Vocabulary</b>	Apparent confusion with the use of language	Simplistic and/or unclear language	Effective language	
<b>Meaningful Development of Ideas</b>	Ideas are unclear and/or not well developed	Unelaborated ideas that are not fully explained or supported; repetitive details	Depth of thought supported by elaborated, relevant supportive evidence provides clear vision of the idea; contains details	
<b>Images</b>	No images were used.	Images were used, but were unclear and did not aid in the presentation of the information	Images were used correctly to compliment the given information	
<b>Organization of Pamphlet</b>	Weak organization of ideas; information does not flow well	Somewhat unfocused and/or unclear	Logical organization of ideas	
<b>Additional Resources</b>	No additional resources were listed	Additional resources were listed but were unclear and hard to utilize.	Appropriate additional resources were listed and easy to utilize.	
<b>Citations</b>	Citations are not in APA format; no citations are used	Citations are in APA format, but are not properly used throughout the pamphlet	Proper citations in APA format are used throughout the pamphlet	
<b>Total</b>				___/100

\*Notes listed on back of rubric\*