

HSP3420

Clinical Pathology for Health Professionals

SPRING 2022



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Office Hours: MW 2pm-4pm or by appointment only

Course Information

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.

Course Credits

(3-3-0)

Prerequisite and Co-requisite Courses

HSP 2325 "Basic Skills for Healthcare Professionals"

Recommended Use of Masks/Facial Coverings by Students in Class At ASU

As a member of the Texas Tech University System, Angelo State University strongly recommends the use of masks/facial coverings to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, we strongly recommend that students in this class wear a mask/facial covering before, during, and after class. Faculty members will also ask you to display your daily screening badge as a prerequisite to enter the classroom.

Open Labs

The HHS 114 Lab will have the following Open Lab hours:

- Thursday: 10:00-11:50am
- Friday 2:00pm-4:00pm

Student Learning Outcomes

Student Learning Outcome By completing all course requirements, students will be able to:	Assignment(s) or activity(ies) validating outcome achievement:
1. Describe the etiology, pathogenesis, pathomechanics, signs, symptoms, and epidemiology of common illnesses and diseases.	Lectures, quizzes, exams, & assignments
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.	Lectures, quizzes, exams, & assignments
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.	Practical exams
Describe basic principles of pharmacology, drug categories, and common procedures used in the field.	Lectures, quizzes, exams, & assignments
Describe infection control regulations and guidelines for the prevention, exposure, and control of infectious diseases.	Lectures, quizzes, exams, & assignments
Document the results of the assessment including the diagnosis, return to play parameters, and referral options.	Lectures, quizzes, exams, practicals & assignments

Course Delivery

This is a face-to-face course that will meet for lectures on Monday and labs on Wednesday and Fridays. Many learning resources and supplemental materials will be posted in [Blackboard](#)¹.

Required Texts and Materials

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

Technology Requirements

To successfully complete this course, students need access to the following technology:

- A computer capable of running Windows 7 or later, or Mac OSX 10.8 or later
- The latest version of one of these web browsers: internet Explorer, Firefox, or Safari
- Microsoft Office Suite or a compatible Open Office Suite
- High Speed Internet Access
- Ethernet adapter cable required (wireless connections can drop during tests and Collaborate sessions)

Communication

Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

Written communication via email: All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to faculty, include the course name and section number in your subject line.

Grading

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.

Evaluation and Grades

Course grades will be determined as indicated in the table below.

Assessment	Points of Total Grade
12 Case Studies (25 pts each)	300
4 Online Quizzes (25 pts each)	100
Pamphlet Project	100
2 Lab Practicals (150 pts each)	300
4 Exams (100 pts each)	400
1 Final Exam	200
Assignments	100
Lab Participation	50
Lecture Attendance	50
Total	1600

Grading System

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

A: 1600-1440.00 points

B: 1439.99-1280.00 points

C: 1279.99-1120.00 point

D: 1119.99-960.00 points

F: 959.99 points and below

Teaching Strategies

Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (**beyond the materials and lectures presented in the course**) discovering, processing, and applying the course information using peer-review journal articles, researching additional information and examples on the Internet, and discussing course material and clinical experiences with their peers.

Assignment and Activity Descriptions

***Please note: Rubrics for all assignments and activities are located at the end of this syllabus.**

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

Assignment Submission

All assignments **MUST** be submitted through the Assignments link in the Blackboard site. This is for grading, documenting, and archiving purposes. Issues with technology use arise from time to time. If a technology issue does occur regarding an assignment submission, email me at

cprocter@angelo.edu and attach a copy of what you are trying to submit. **Please contact the IT Service Center at (325) 942-2911 or go to your Technology Support tab to report the issue.**

This lets your faculty know you completed the assignment on time and are just having problems with the online submission feature in Blackboard. Once the problem is resolved, submit your assignment through the appropriate link. This process will document the problem and establish a timeline. Be sure to keep a backup of all work.

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!

Top Hat Pro

We will be using **Top Hat Pro** (www.tophat.com) for class participation. You will be able to submit answers to in-class questions using Apple or Android smartphones and tablets, laptops, or through text message.

Subscriptions to purchase: Top Hat Pro

For instructions on how to create a Top Hat account and enroll in our Top Hat Pro course, please refer to one of the following resources:

- 1) The invitation sent to your school email address OR
- 2) Consult [Top Hat's Getting Started Guide](#) OR
- 3) Get started with this [2 minute video walkthrough](#)

If you already have a Top Hat account, go to <https://app.tophat.com/e/794448/> to be taken directly to our course. If you are new to Top Hat, follow the link in the email invitation you received or

- Go to <https://app.tophat.com/register/student>
- Click "Search by school" and input the name of our school
- Search for our course with the following join code: **373380**

If a paid subscription is required, it will be listed at checkout when you enroll in our Top Hat Pro course.

Should you require assistance with Top Hat at any time please contact their Support Team directly by way of email (support@tophat.com), the in-app support button, or by calling 1-888-663-5491. Specific user information may be required by their technical support team when troubleshooting issues.

General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)²
- [Angelo State University Catalog](#)³

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Health and Human Services adheres to the university's [Statement of Academic Integrity](#).⁴

Accommodations for Students with Disabilities

ASU 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 of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the [Student Disability Services website](#).⁵ The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

Incomplete Grade Policy

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. See ASU Operating Policy 10.11 [Grading Procedures](#)⁶ for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)⁷ in the Student Handbook. 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. 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. Resources to help you understand this policy better are available at the [ASU Writing Center](#).⁸

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. See ASU Operating Policy 10.19 Student Absence for [Observance of Religious Holy Day](#)⁹ for more information.

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

Face to face: Mayer Administration Building, Room 210

Phone: 325-942-2022

Email: 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.

Course Schedule

Day	Date	Lecture Topic	Lab Topic	Assignment	Ch.	
W	1/19/22	Introduction / Syllabus	Basic Concepts Review		1	
F	1/21/22	Foundations – Role of AT	Basic Concepts Review History Taking/SOAP Notes		1	
M	1/24/22	Foundations - Legal	History Taking/SOAP Notes			
W	1/26/22	Medical Exam	Medical Examination		2	
F	1/28/22	Medical Exam	Medical Examination	Medical Exam Online Quiz	2	
M	1/31/22	Diagnostic Imaging	Medical Examination		3	
W	2/2/22	Diagnostic Imaging	Common Procedures in the ATC	Diagnostic Imaging Online Quiz	3	
F	2/4/22	EXAM #1			1-3	
M	2/7/22	Basic Principals of Pharmacology	PDR Scavenger Hunt		4 & 6	
W	2/9/22	Drug Categories	Breathing Sounds	Pharm Online Quiz	5	
F	2/11/22	Respiratory System (Lecture ONLINE)	Asthma Respiratory Examination		7	
M	2/14/22	Cardiovascular System (Lecture ONLINE)	CPR Review Cardiovascular Examination	Case Study #1	8	
W	2/16/22	NO CLASS- REVIEW LECTURES ONLINE		Terminology Online Quiz		
F	2/18/22	NO CLASS- REVIEW LECTURES ONLINE		Case Study #2	8	
M	2/21/22	Gastrointestinal System	Percussion and Auscultation		9	
W	2/23/22	Gastrointestinal System	Lab Review		9	
F	2/25/22	Exam #2 Review	Lab Review	Case Study #3		
M	2/28/22	Exam #2			4-9	
W	3/2/22	LAB PRACTICAL #1			7-9	
F	3/4/22	LAB PRACTICAL #1			7-9	
M	3/7/22	Genitourinary and Gynecological	Urinalysis	Case Study #4	10	
W	3/9/22	Neurological System	Cranial Nerve Review/Concussion Testing	Pamphlet Topic Due	11	
F	3/11/22	Neurological System	Neurological Examination	Case Study #5	11	
M	3/14/22	SPRING BREAK				
W	3/16/22					
F	3/18/22					
M	3/21/22	The Eye	Eye Exam		12	
W	3/23/22	The Eye	Eye Exam	Case Study #6	12	

Day	Date	Lecture Topic	Lab Topic	Assignment	Ch.
F	3/25/22	Ear, Nose, Throat, & Mouth Lecture ONLINE- NO CLASS			13
M	3/28/22	Ear, Nose, Throat, & Mouth	ENTM	Case Study #7	13
W	3/30/22	Review/Catch Up Day			
F	4/1/21	EXAM #3			10-13
M	4/4/21	Systemic Disorders	Glucometer	Case Study #8	14
W	4/6/21	Infectious Diseases			15
F	4/8/21	Infectious Diseases		Case Study #9	15
M	4/11/21	Dermatological Conditions	Pandemic Assignment		16
W	4/13/21	Dermatological Conditions	Name That Skin Condition	Case Study #10	16
F	4/15/21	NO CLASS (Good Friday)			
M	4/18/21	Psychological and Substance Use Disorders	COPE Inventory		17
W	4/20/21	Psychological and Substance Use Disorders	Relaxation Techniques	Case Study #11	17
F	4/22/21	Working with Special Populations	Hard of Hearing/Seeing Lab		18
M	4/25/21	Working with Special Populations	Wheelchair Sim	PAMPHLET DUE	18
W	4/27/21	Working with Special Populations	Wheelchair Sim	Case Study #12	18
F	4/29/21	EXAM #4			14-18
M	5/2/21	LAB PRACTICAL #2			11-15
W	5/4	LAB PRACTICAL #2			11-15
F	5/6	NO CLASS- REVIEW FOR FINAL			
M	5/9	Cumulative Final Exam – 8:00-10:00AM			

Grading Rubrics:

General Medical Pamphlet Rubric

Criteria	0 Points	5 Points	10 Points	Score
Required Areas Addressed	Fewer than 3 of the required areas were addressed.	3-5 Areas were addressed	All 6 areas were addressed.	
References	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.	
Sentence Structure	Unclear, incorrect, and/or ineffective sentence structure	Simplistic and/or awkward sentence structure	Organized and clear sentence structures.	
Grammar	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	
Vocabulary	Apparent confusion with the use of language	Simplistic and/or unclear language	Effective language	
Meaningful Development of Ideas	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	
Images	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	
Organization of Pamphlet	Weak organization of ideas; information does not flow well	Somewhat unfocused and/or unclear	Logical organization of ideas	
Additional Resources	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.	
Citations	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	
Total				<u> </u> /100

Notes listed on back of rubric

Student Evaluation of Faculty and Course

Students in all programs are given the opportunity to evaluate their courses and the faculty who teach them. Evaluations are most helpful when they are honest, fair, constructive, and pertinent to the class, clinical experience, or course. Faculty value student evaluations, and use student suggestions in making modifications in courses, labs and clinical experiences.

Angelo State University uses the IDEA (Individual Development and Educational Assessment) system administered through Kansas State University for all course evaluations. The Office of Institutional Research and Assessment administers IDEA for the entire university, online and has established a policy whereby students can complete course evaluations free from coercion.

1. Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)
2. Developing knowledge and understanding of diverse perspectives, global awareness, or other cultures
3. Learning to apply course material (to improve thinking, problem solving, and decisions)
4. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course
5. Acquiring skills in working with others as a member of a team
6. Developing skill in expressing oneself orally or in writing
7. Learning how to find, evaluate, and use resources to explore a topic in depth
8. Developing ethical reasoning and/or ethical decision making
9. Learning to apply knowledge and skills to benefit others or serve the public good

End of Syllabus

¹ <https://blackboard.angelo.edu>

² <https://www.angelo.edu/student-handbook/>

³ <https://www.angelo.edu/catalogs/>

⁴ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

⁵ <https://www.angelo.edu/services/disability-services/>

⁶ <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>

⁷ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

⁸ https://www.angelo.edu/dept/writing_center/academic_honesty.php

⁹ <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>