

COURSE NUMBER: HSP 3315
COURSE TITLE: HEALTH
INFORMATION SYSTEMS
SEMESTER: SPRING 2022



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Office Hours: By appointment – virtual or phone

Course Information

Course Description

This course discusses what information is needed by whom, the process of designing health information flows, procurement of computer/telecommunication resources, assuring information security, and continuing management of information systems supporting healthcare delivery. The course provides an overview of various health information systems, with emphasis on case studies of systems utilized in areas such as patient-care, clinical decision support, disease and demographic surveillance, imaging and simulation, and safety and environmental assessment. Legal and ethical issues related to training, security, confidentiality, and the use of informed consent are also addressed.

Course Credits

(3-0-0) Meets completely online using Blackboard

Prerequisite and Co-requisite Courses

None

Prerequisite Skills

Accessing internet web sites, use of ASU Library resources, and proficiency with Microsoft Word and/or PowerPoint are expectations of the Health Science Professions Program. Computer access requirements are further delineated in the Undergraduate Handbook. Tutorials for ASU

Library and for Blackboard are available through RamPort. The ASU Undergraduate/Graduate Catalog should be reviewed before taking this course.

<https://www.angelo.edu/content/files/25772-2018-2019-university-catalog-archive>

Program Outcomes

Upon completion of the program of study for health science professions, the graduate will be prepared to:

Student Learning Outcomes

Student Learning Outcome By completing all course requirements, students will be able to:	Assignment(s) or activity(ies) validating outcome achievement:	Mapping to Program Outcomes
1. Examine the evolution of information technology in the health care arena.	Reading Assignments, Exam	
2. Investigate clinical decision support systems.	Reading Assignments, Exam, Discussion Board Activities	
3. Analyze legal and ethical issues relevant to information technology in the healthcare arena.	Reading Assignments, Exam, Discussion Board Activities, Health information System Interview Assignment	
4. Explore how emerging technology can impact patient care, provider usage, and systems level administrative services.	Reading Assignments, Exam, Discussion Board Activities, Health Information System Interview Assignment, Public Service Announcement Assignment	
5. Understand the workflow process and discuss the importance of workflow	Reading Assignments, Exam, Discussion Board Activities, Health Information System Interview Assignment	

Course Delivery

This is an online course offering. The course will be delivered via the Blackboard Learning Management System. The course site can be accessed at <http://blackboard.angelo.edu>

Required Texts and Materials

- Wager, K. A., Lee, F. W., & Glaser, J. P. (2017). Health care information systems: A practical approach for health care management (4th ed.). San Francisco, CA: Jossey-Bass. ISBN – 9781119337089

Recommended Texts and Materials

None

Technology Requirements

Access to the Midterm and Final Exam will be through Respondus Lockdown Browser and will be video recorded via Respondus Monitor. Use of another electronic device is prohibited. There is one practice quiz: a short 10 question practice quiz over ASU trivia that is not graded. These tools will be available to the student to assure accessibility. Students are highly encouraged to go through this practice quiz in advance of taking a graded quiz. This process will allow you to become familiar with the technology associated with testing and improve the testing environment. Instructional videos and more information regarding Respondus Monitor can be found under the Respondus Monitor Help tab in your Blackboard course.

To participate in one of ASU's distance education programs, you need this 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
- Adobe Acrobat Reader
- High Speed Internet Access
- Ethernet adapter cable required (wireless connections can drop during tests and Collaborate sessions)
- Webcam

Communication

Faculty will respond to email and/or telephone messages within 48 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday. Written communication via Blackboard: It is an expectation of this class that you use formal writing skills giving appropriate credit to the source for your ideas. Follow APA guidelines for

referencing. Written communication via email: All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. Use Good "Netiquette":

- Check the discussion frequently and respond appropriately and on subject.
- Focus on one subject per message and use pertinent subject titles.
- Capitalize words only to highlight a point or for titles. Otherwise, capitalizing is generally viewed as SHOUTING!
- Be professional and careful with your online interaction. Proper address for faculty is by formal title such as Dr. or Ms./Mr. Jones unless invited by faculty to use a less formal approach.
- Cite all quotes, references, and sources.
- When posting a long message, it is generally considered courteous to warn readers at the beginning of the message that it is a lengthy post.
- It is extremely rude to forward someone else's messages without their permission.
- It is fine to use humor, but use it carefully. The absence of face-to-face cues can cause humor to be misinterpreted as criticism or flaming (angry, antagonistic criticism). Feel free to use emoticons such as J or :) to let others know you are being humorous. (The "netiquette" guidelines were adapted from Arlene H. Rinald's article, The Net User Guidelines and Netiquette, Florida Atlantic University, 1994, available from Netcom.)

Grading

Evaluation and Grades

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

Assessment	Percent/Points of Total Grade
Discussion Board Activities	20%
Health Information System Interview Assignment	25%
Public Service Announcement Assignment	25%
Midterm Exam	15%
Final Exam	15%

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 = 90 – 100%

B = 80 – 89.99%

C = 70 – 79.99%

D = 60 – 69.99%

F = 0-59.99% (Grades are not rounded up)

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.**

Discussion Board Activities: Discussion Board Activities are designed to provide an avenue for students to synthesize and process information in order to acquire new knowledge, reinforce current knowledge, and/or reinterpret existing knowledge. In addition, Discussion Board Activities afford students the opportunity to express thoughts and ideas that corroborate and/or challenge current findings, and meaningfully engage the ideas, opinions, and thoughts of others in a healthy and productive learning environment. Discussion Board Activities may include but are not limited to discussion questions, case studies, podcasts, scholarly article review... Students are expected to participate in all discussion board activities. The “Discussion Board Grading Rubric” will be used to evaluate individual responses for the Discussion Board Graded Forums.

Public Service Announcement Assignment: The Public Service Announcement (PSA) Assignment is designed to assist students in gaining an in-depth understanding of how health information systems may be used by consumers to improve their health care experiences and/or outcomes. Students will create and produce a PSA aimed towards educating consumers on the use and benefits associated with using specified health information systems. The “Public Service Announcement Grading Rubric” will be used to evaluate student performance.

Health Information System Interview Assignment: The Health Information System Interview is designed to provide students with opportunities to interact with professionals in various departments within a health care organization. Through these interactions, students will learn how to dialogue with professionals and they will also acquire “real world” knowledge related to the workings and usage of health information systems. The “Health Information System Interview Grading Rubric” will be used to evaluate student performance.

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

aubrey.smith@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

The course is set up on weekly modules. The week begins on Monday and ends on Sunday. Assignment due dates are shown on the calendar/schedule or posted within Blackboard. Late assignments are not accepted without prior approval of faculty. Faculty reserve the right to deduct points for late assignments that are accepted past the original due date.

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](#)¹
- [Angelo State University Catalog](#)²

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

As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID19 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, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Student Responsibility and Attendance

Online: This class is asynchronous, meaning you do not have to be on-line at a certain time. There are readings which you will have to complete to be able to adequately participate in individual and group assignments. In order to complete this course successfully, you do have to

participate in all course activities i.e. discussion boards, course projects, reflective logs, etc. Students are expected to engage in course activities and submit work by due dates and times. The hope is that students will make substantive contributions which reflect integration of assigned materials as well as any outside readings as appropriate. Scholarly contribution is an expectation. For planning purposes, this class will probably require a minimum of 6-9 study hours per week on average.

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](#).³

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](#).⁴ 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](#)⁵ for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)⁶ 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](#).⁷

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](#)⁸ 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

Week/Date	Topic/Assignments/Assessments DUE
Week 1 1/18 – 1/22	<ul style="list-style-type: none"> • Community DB Self Introduction • Community DB HIS Icebreaker • The National Health Information Technology Landscape • Health Care Data • Health Information Systems (Wager, Lee, Glaser – Chapters 1, 2, 3)
Week 2 1/24 – 1/29	<ul style="list-style-type: none"> • The National Health Information Technology Landscape • Health Care Data • Health Information Systems • Discussion Board Activities (Initial post Jan. 24th-25th and response to peer DB due Jan. 26th-29th) (Wager, Lee, Glaser – Chapters 1, 2, 3)
Week 3 1/31 – 2/5	<ul style="list-style-type: none"> • Information Systems to Support Population Health • System Acquisition • System Implementation and Support (Wager, Lee, Glaser – Chapters 4, 5, 6)
Week 4 2/7 -2/12	<ul style="list-style-type: none"> • Information Systems to Support Population Health • System Acquisition • System Implementation and Support • Discussion Board Activities (Initial post Feb. 7th-8th and response to peer DB due Feb 9th-12th) (Wager, Lee, Glaser – Chapters 4, 5, 6)
Week 5 2/14 – 2/19 *Midterm Exam: Chapters 1-6 Exam opens on 2/14/22 @ noon and closes on 2/16/22 @ 5:00 PM *Public Service Announcement Due 2/19/22 @ 11:59 PM	<ul style="list-style-type: none"> • Assessing and Achieving Value in Health Care Information Systems • Organizing Information Technology Services • Privacy and Security (Wager, Lee, Glaser – Chapters 7,8,9)

Week/Date	Topic/Assignments/Assessments DUE
Week 6 2/21 – 2/26	<ul style="list-style-type: none"> Assessing and Achieving Value in Health Care Information Systems Organizing Information Technology Services Privacy and Security Discussion Board Activities (Initial post Feb. 21st-22nd and response to peer DB due Feb. 23rd-26th) (Wager, Lee, Glaser – Chapters 7,8,9)
Week 7 2/28 – 3/5 * Health Information System Interview Assignment Due 3/2/22 @ 11:59 PM	<ul style="list-style-type: none"> Performance Standards and Measures Discussion Board Activities (Wager, Lee, Glaser- Chapter 10)
Week 8 3/7 – 3/12 *Final Exam Chapters 7-10 Exam opens on 3/8/22 @ noon and closes on 3/10/22 @ 5:00 PM	Last day of class March 11, 2022

Grading Rubrics

See My Grades to View Grading Rubrics.

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 factual knowledge (terminology, classifications, methods, trends). Essential
2. Learning to apply course material (to improve thinking, problem solving, and decisions). Essential
3. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course.

End of Syllabus

- ¹ <https://www.angelo.edu/student-handbook/>
- ² <https://www.angelo.edu/catalogs/>
- ³ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>
- ⁴ <https://www.angelo.edu/services/disability-services/>
- ⁵ <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>
- ⁶ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>
- ⁷ https://www.angelo.edu/dept/writing_center/academic_honesty.php
- ⁸ <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>