

AT 6175

Athletic Training Research Project I

2022 Summer I



Instructor: Yo-Rong Chen, PhD, MS, LAT, ATC

Email: ychen@angelo.edu

Office Number: 325-486-6507

Office: Archer Building 224M

Office Hours: by appointment

Class Hours: TBA and see the course schedule

No Open Lab Time

These times are available for you to practice your skills related to this course. There will be a GA monitoring the classroom during these times.

Course Information

Course Description

Students enrolled in this course will complete and/or participate in a research project. This course gives students the opportunity to work directly with an Allied Health Professional Mentor through the research process.

Course Credits

1 credit hour

Prerequisite and Co-requisite Courses

Prerequisites:

AT 6312

Student Learning Outcomes

<p style="text-align: center;">CAATE Standards and Student Learning Outcomes</p> <p>By completing all course requirements, students will be able to:</p>	<p style="text-align: center;">Assignment(s)) or activity(ies) validating outcome achievement:</p>
<p>HCI-64 Apply contemporary principles and practices of health informatics to the administration and delivery of patient care, including (but not limited to) the ability to do the following:</p> <ul style="list-style-type: none"> • HCI-64.1 Use data to drive informed decisions • HCI-64.2 Search, retrieve, and use information derived from various resources • HCI-64.3 Maintain data privacy, protection, and data security 	<p>Research project</p>
<p>PHP-87 Select and use biometrics and physiological monitoring systems and translate the data into effective preventive measures, clinical interventions, and performance enhancement.</p>	<p>Research project</p>
<p>Understand the IRB process and its importance in patient safety.</p>	<p>Research project</p>
<p>Finalize a topic for the research project, identify an appropriate research design, and begin conducting the appropriate research activities. An associated project manuscript will begin to take shape during this time.</p>	<p>Research project</p>

Course Delivery

This is a face-to-face course with learning resources and supplemental materials posted in [Blackboard](#)¹.

Required Texts and Materials

- The supplementary sources will be provided through the course on Blackboard.

Technology Requirements

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

- 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)

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 any 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
Literature review and Bibliography (at least 15 sources)	100
5 by 5 Article Presentation (from one source)	100
Research Title, Questions, Hypothesis, and Design	50
Introduction and Background	100
Method and Procedure	100
Informed Consent Form Completion	100
5 by 5 Project Presentation	150
IRB Completion	150
Discussion Aboard Reflection Report (25 points x6)	150
Total	1000

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 = 900-1000 points

B = 800-899.99 points

C = 700-799.99 points

D = 600.00-699.99 points

F = 0-599.99 points (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, Activity Descriptions, and Due Day

Throughout this course, students will work towards submitting their proposed research project to the ASU IRB. Students will work on Research Topic/Questions/Hypothesis/Design, Introduction and Background, Methodology and Procedure, and Grievance procedures. Students will need to meet with their research advisors regularly to ensure that their project remains on track.

Assignment	Explanation	Due
Lit Review Bibliography (100/1000)	Each student will create a 15-entry literature view into bibliography. Information regarding annotated bibliographies is attached on Blackboard (Bb).	June 10th
5 BY 5 Article Presentation (100/1000)	The student needs to pick one of the articles from 1 st assignment and practice to present the article info in 5 minutes. The instruction and grading rubric are listed on Bb.	† June 13th * DB.1
Title, Questions, Hypothesis, Research Design (50/1000)	Students require to decide their research topic and to receive the approval from their individual research advisor (RA) regarding title/ questions/ hypothesis, and research design. Students are recommended to initiate the meetings with RA.	June 17th * DB.2
Intro and Background (100/1000)	Based on the lit-review, students require to summarize the current evidence knowledge and highlight the need to conduct their own study. Approval from RA is required.	June 20th * DB.3
Method and Procedure (100/1000)	This is one of most important section IRB will review for study application. Students require to explain the details and receive the approval from the RA.	June 24th * DB.4
Informed Consent Form (100/1000)	This is a required document which will be attached into IRB application. Students require to follow the format to complete the form and receive the approval from the RA.	June 27th
5 by 5 Project Presentation (150/1000)	Students require to compile their own research proposal and present it in 5 minutes. The instruction and grading rubric are listed on Bb.	† July 1st * DB.5
First IRB Completion (150/1000)	The students will not complete the course until they receive IRB study approval. However, students require to receive RA's approval and submit their 1st attempt to IRB.	July 8th * DB.6
Progress Reports x6 (100/1000)	There are 6 reflection reports that students require to complete the reports throughout the semester.	Listed as above (DB)

*DB=Discussion Board; Due for DBs and Weekly Assignments is listed day at **11:59PM**.

† Due for the 5 BY 5 Presentation: **5:00PM** prior to individual presentation day

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 ychen@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. It is students' responsibility to complete the assignment prior the listed due days.

Course Schedule

Week	Time	Content
Week.1	June 6 th	<ul style="list-style-type: none">• Course explanation• Introduce literature review, structure, and purposes• Explain 5 BY 5 article presentation
Week.2	June 13 th	<ul style="list-style-type: none">• 5 by 5 article presentation• The instruction and grading rubric are listed on Bb.• Explain the definition of research introduction/background/ title/ questions/ hypothesis/ and research design
Week.3	June 20 th	<ul style="list-style-type: none">• Explain the definition of research data types/methods/ procedure details/ statistical method review/ and informed consent demonstration
Week.4	June 27 th	<ul style="list-style-type: none">• Emphasize the proposal presentation requirements• Explain the 5 by 5 proposal presentation expectations and rubric• IRB application preparation
Week.5	July 4 th	<ul style="list-style-type: none">• Students request feedback from RA and complete the first IRB application.

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.

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. Learning to apply course material (to improve thinking, problem solving, and decisions)
3. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course
4. Learning how to find, evaluate, and use resources to explore a topic in depth
5. 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>