



**Angelo State University**  
**Archer College of Health & Human Services**  
**Department of Health Science Professions**  
**HSP 4343 Environmental Health**  
**Fall 2019**



**Schedule:** Mondays, Wednesdays & Fridays: 11:00 – 11:50 AM  
**Location:** HHS 106  
**Instructor:** Jay Brown, DrPH, MPH  
**Email:** [jay.brown@angelo.edu](mailto:jay.brown@angelo.edu)  
**Office Location:** HHS 222A  
**Office Hours:** By appointments, Mondays, Wednesdays, & Fridays: 10 – 11:00 AM  
**Office Phone Number:** (325) 942-2126  
**Required Textbook:** Environmental Health: From Global to Local, 3<sup>rd</sup> Edition (2016)  
Howard Frumkin. Jossey-Bass.  
ISBN 13: 978-1118984765

**Course Description:** A practical application of health-related statistical analysis providing students with the knowledge and skills needed to read, interpret, and evaluate quantitative findings in medical and allied health literature.

**Course Format:** This course will meet on campus. Most content will be delivered via class Lecture/Video, Discussion and Course Assignments. The course will also use the Blackboard Learning Management System for online components. The course site can be accessed at <http://blackboard.angelo.edu>

**Other Required Materials:**

- Computer with MAC or Windows Operating System
- High Speed Internet Access
- Webcam (Can be purchased for under \$10 at Walmart or borrowed from MCS).

**Technical Assistance:** If you have any technical problems associated with the test (i.e. webcam problems, lock down browser problems) you should contact the IT Department. The IT Service Department is open M-F from 8-5 and the number is (325) 942-2911. If you call any time after 5 pm or on the weekend, most likely you will not be able to get assistance until the following weekday, so please plan accordingly.

**Students & Disabilities:** If you have, or believe you may have, a disability which may impair your ability to successfully complete this course, please read closely:

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.”



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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.

**Students' Responsibilities:** You will be responsible for utilizing information included in the Third Edition of the textbook. If you choose to use a previous edition, you are responsible for any discrepancies. All students are expected to adhere to the [ASU Student Code of Conduct](#), as specified in the [ASU Student Handbook](#). Angelo State University expects observance of regulations and/or standards by which its members abide and procedures by which its organization functions. The standards should provide order and an atmosphere conducive to intellectual and personal development. This [Student Handbook](#) and the [Code of Student Conduct](#) contained within are intended to serve these purposes in the interest of all segments of Angelo State University.

The University has a responsibility to maintain order within the University community and to discipline those who violate its standards, rules, and/or policies. Enrollment requires students to share this responsibility. Students are responsible for knowing the information, policies and procedures outlined in this document. Students agree to abide by the standards, rules and/or policies set forth in this Student Handbook, the Undergraduate Catalog and other official University publications, as well as the [Texas Education Code](#). Student organizations also agree to follow these standards, rules, and/or policies.

**Communication:** Use ASU email accounts ONLY. Email from other providers will be deleted due to virus concerns. Include course name, section in subject line, and sign your emails with your full name. Your instructor is not responsible for non-delivery of forwarded mail.

**Blackboard:** We will use Blackboard intensively in this class. All class materials, syllabus, study guides, handouts, grades, and all sort of communications will be posted there. Please make yourself familiar with this tool. You can log into Blackboard using your ASU user ID and password at <https://blackboard.angelo.edu>. **Please bookmark this site and check it daily!!!**



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**Topic Outline:**

- Ecology and Ecosystems
- Geospatial Data
- Occupational Epidemiology
- Toxicology
- Genomics
- Air Pollution
- Radiation
- Climate Change
- Environmental Disasters

**Course Objectives:**

Upon completion of this course, students will be able to:

1. Describe the historical, current, and future need for environmental health science as a field of study, from a scientific, practical, and personal perspective.
2. Explain what environmental health is, what distinguishes it from the other health sciences, and what unique contributions it has to make to the field of health
3. Identify chemical and physical hazards in a range of common environments and describe the pathways by which humans are exposed to chemical and physical agents.
4. Identify ways in which the public health hierarchy of controls can be applied to reduce or eliminate a variety of environmental and occupational hazards.
5. Recognize adverse health effects associated with common environmental and occupational stressors.
6. Identify risk assessment approaches to integrate sources, exposure pathways, and adverse health outcomes.
7. Identify the principal environmental determinants of health and describe the major environmental health issues of the present time.
8. Identify environmental health issues specific to sensitive and vulnerable populations, including environmental health in a global setting.
9. Find and apply information relevant to the environmental health sciences.
10. Describe important emerging and future issues in environmental health.

**\*Be aware: THIS SYLLABUS IS SUBJECT TO CHANGE, WITH NOTIFICATION.**



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### **Course Policies**

**Tips for Success:**

Students are expected to take responsibility for their own learning. What you get out of this class, including your grade, is based on your effort and commitment. In order to succeed, just follow some simple rules:

- a) Be to class on time
- b) Read and study
- c) Plan and schedule your assignments' submissions and exam preparations in advance. Calendar all course assignments at the beginning of the semester to ensure they are completed before or by due dates
- d) Please make sure you are clear on assignment deadlines
- e) Block time in your schedules several days before assignments are due to ensure assignments are completed well before due dates.

**Student Contribution:**

Students are expected to actively contribute to class and group discussions, but not to dominate them.

**Respect & Tolerance:**

Students are expected to listen to other people's views, even if you don't agree with them. Please be respectful and professional at all times. Students are expected to stay focused in class. Please do not side talk or do your other work while in my class.

**Questions:**

Students are strongly encouraged to use the instructor as a resource person in solving any problems or questions concerning the course. If you are unclear concerning any concepts or assignments, please feel free to contact the instructor.

**Attendance Policy:**

Students are expected to attend classes. Class attendance and participation will be evaluated. Emergencies and illness do happen, but these are the exceptions not the rules. Make every effort to be in every class. Also, students are expected to be on time to class and remain in class until the end of the session.



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- Late Submissions:** Due to the nature of assignments, NO late/make up assignments will be accepted nor will be allowed without prior approval from the instructor. The instructor will determine if a student will be allowed to make-up the assignment in the rare cases of excused absences (documented medical emergencies, documented death in the family).
- Cell Phone:** Cell phones are to be turned off during class. If there is an expected need to receive a cell phone call (i.e. my wife is about to deliver, my kid is sick, etc.) then please talk to me before class. In these cases, your phone should be set to vibrate and can be left on your desktop. There will be no text messaging in the class.
- Computers:** Computers can be used to write or access class notes, but internet surfing for [unrelated material should not be occurring](#). Please do not surf the web, shop online, log into Facebook, send personal emails, or do anything else that is unrelated to class. This is distracting and inconsiderate to other students and may affect your participation grade.
- Incompletes:** 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. ([OP 10.11 Grading Procedures](#))
- Expectations:** What can you expect from me?
- I will make every effort to be on time and prepared for class.
  - If I am sick or have to cancel class, I will notify you on Blackboard ASAP.
  - I will try to answer every question you have, and if I can't answer it, I will find out an answer for you.
  - I will try to make this course as fun as possible and do all that I can to enhance your learning in this class.
  - I will listen to your feedback and try to manage the class accordingly.



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**Course Requirements:**

| <b>ITEM</b>                             | <b>POINTS</b> | <b>% OF GRADE</b>    |
|---|---------------|----------------------|
| Class Participation & Attendance        | 100           | 10% of grade         |
| Homework Assignments (10 x 30 pts each) | 300           | 30% of grade         |
| Quizzes (15 x 20 pts each)              | 300           | 30% of grade         |
| Midterm Exam                            | 150           | 15% of grade         |
| Final Exam                              | 150           | 15% of grade         |
| <b>TOTAL</b>                            | <b>1,000</b>  | <b>100% of grade</b> |

**Grade Equivalences:**

|   |          |                 |
|---|----------|-----------------|
| A | 90-100%  | 900-1000 points |
| B | 80-89%   | 800-899 points  |
| C | 70-79%   | 700-799 points  |
| D | 60-69%   | 600-699 points  |
| F | 59% or < | 0-599 points    |

**Exams:**

There will be two (2) major exams (Midterm & Final exams). Please bring a #2 pencil on exam days and I will provide the Scantrons. Cheating on an exam will very likely result in failure of the course. Leaving the classroom during an exam should not occur and no electronics are to be used during exams. The final exam will have to be taken at the scheduled time.

Material for exams will come from lectures, discussions in class, textbook readings, materials brought to class by the instructor, companion website and slide handouts. Makeup exams are contingent to the presentation of a valid excuse according to the student's manual and University regulations. Late fees for makeup exams will be as required by the testing center. Always make sure you have allowed enough time to take the test before the center closes.



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**Assignments:**

*Readings:* You are responsible for the material covered in the book prior to attending class. Please note that the week's readings are specified in the class schedule on the following pages. In addition to these readings, the instructor may assign supplemental readings throughout the semester. These supplemental readings do not appear on the schedule, as these readings will be assigned at the instructor's discretion.

*Quizzes:* Weekly online quizzes will be given throughout the semester and will require that you read and respond to material in the textbook as well as revisit topics discussed in class. Access to quizzes will be through Respondus™ Lockdown Browser [see Other Required Materials for a list of needed equipment] via Blackboard. Students may use written materials as well as their textbook; however, use of another electronic device is prohibited.

There is a Readiness Quiz, which will serve as a webcam test and will give you an opportunity for bonus points. These tools will be available to the student to assure accessibility. Students will have multiple (3) attempts to complete the practice quiz. This process will allow you to become familiar with the technology associated with testing and improve testing environment. Instructional videos and more information regarding Respondus Monitor can be found under the Respondus Monitor Help tab in your Blackboard course.

*Homework:* Students will be responsible for the completion of ten (10) written assignments. The purpose of these assignments is to assist students in applying their understanding of environmental health topics discussed in class as to well as to provide an opportunity for students to respond to the readings. These short essays are to be written in APA format, standard 12-point Times New Roman font, double-spaced with 1-inch margins.

**Writing Center:**

The mission of the [Writing Center](#) is to help all students become better writers and readers. The Writing Center is a peer tutoring service where students help students. It is staffed by specially selected and trained graduate assistants and peer tutors who offer one-on-one conferences about writing and reading. The Writing Center serves all ASU undergraduate and graduate students. They work with students from any discipline, at any skill level, and on any stage of the writing or reading process.

The Writing Center tutors also provide feedback on scholarship, job, or graduate school applications. You can send writing questions via email to the Writing



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Center by completing and submitting the electronic draft submission cover sheet. In addition, email your paper as an attachment to [writingcenter@angelo.edu](mailto:writingcenter@angelo.edu). A tutor will respond to your questions and comment on your draft within 48 hours.

**Citations:**

You must properly cite any work that is not completely your own. It is understood that you will build on the ideas of others through research, reading, and collaboration, but failure to acknowledge the scholarship of others is plagiarism and an honor code violation. It is also understood that direct quotes should be used sparingly. In this course, we would like you to use the Publication Manual of the American Psychological Association, Sixth Edition.

A good resource is [Purdue's University OWL Lab](#). These OWL resources will help you learn how to use the American Psychological Association (APA) citation and format style. This section contains resources on in-text citation and the References page, as well as APA sample papers, slide presentations, and the APA classroom poster: [APA 6<sup>th</sup>](#).

**Note on Wikipedia:**

You can use Wikipedia as a starting point for your research; however, it should not be used as a primary reference. Please use the online health science curated resources such as [Pubmed](#).

**Extra-Credit:**

There may be opportunities for extra credit points given at the discretion of the instructor.

**Student Evaluations:**

ASU faculty are committed to improving their methods of instruction. Student input is not only welcome, but vital to this process. The administration of the student evaluation of faculty/courses through the IDEA Student Ratings of Instruction survey serves to satisfy requirements by state and federal agencies and the SACSCOC that students evaluate faculty/courses. Please complete your course evaluations timely.

**Title IX at ASU:**

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



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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).