



Please, click on the following link to access East Texas A&M-  
University Covid 19 Information,

<https://www.tamuc.edu/campusrec/covid-19-guide/>

## **HHPH 416.81B Epidemiology**

COURSE SYLLABUS: Spring 2025

### **INSTRUCTOR INFORMATION**

Instructor: Ellie Klee, Adjunct Professor

Office Location: Online

Office Hours: By Appointment

Office Phone: 903-886-5349

Office Fax: 903-5365

University Email Address: [Ellie.Klee@tamuc.edu](mailto:Ellie.Klee@tamuc.edu)

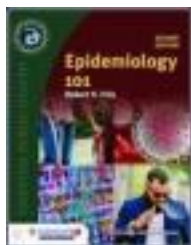
Preferred Form of Communication: **Email; Scheduled appointments**

Communication Response Time: 48 business hours

### **COURSE INFORMATION**

**Course Value:** Three (3) Credit Hours

**Course Location/Time:** Online



Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required: Friis RH. Epidemiology 101: Essential Public Health Series. Burlington, MA: Jones and Bartlett Publishers; 2018.  
ISBN-13: 9781284107852

*Inclusive Access to book is automatically provided on D2L, no need to purchase independently*

**Optional Texts and/or Materials:** All course written assignments are to be submitted in APA format style unless otherwise noted in the assignment directions. All students are encouraged to have a current copy of the APA Publication Manual: **Publication Manual of the American Psychological Association, (7th ed.)**.

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## **Course Description**

This course covers applications of epidemiologic methods and procedures to the study of the distribution and determinants of health and diseases, morbidity, injuries, disability, and mortality in populations. Epidemiologic methods for the control of conditions such as infectious and chronic diseases, mental disorders, community and environmental health hazards, and unintentional injuries are discussed. Other topics include quantitative aspects of epidemiology, for example, data sources, measures of morbidity and mortality, evaluation of association and causality, study design, and screening for disease.

### **Student Learning Outcomes:**

By the end of the course, the successful student should be able to:

1. Discuss the history, philosophy, and uses of epidemiology.
2. List sources of epidemiologic data and define related measures of morbidity and mortality.
3. Define the term *descriptive epidemiology*, and describe the applications of descriptive epidemiology to the health of populations.
4. State what is meant by the terms *association* and *causation*.
5. Define the term *analytic epidemiology*, and differentiate among the types of analytic research designs.
6. Define the term *evidence-based public health*, and discuss its applications.
7. Discuss the applications of epidemiology to policy development.
8. Discuss screening for disease and calculate related measures.
9. Describe applications of epidemiology to outbreak investigation, social and behavioral phenomena, and special topics including work and the environment.

## **COURSE REQUIREMENTS**

### **Minimal Technical Skills Needed**

Using the learning management system, using Microsoft Word, PowerPoint, and Excel, using university email, and using Google Docs / Slides.

### **Instructional Methods**

Instructional method is primarily lecture and class discussion. Students will be assessed through the use of quizzes, short written assignments, and one or two exams spaced throughout the semester.

The instructor has the right to modify the outline of the course.

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## **Student Responsibilities or Tips for Success in the Course**

### **Strong reading and writing skills:**

- Most of the material in the online environment will come from your textbooks, discussions, lectures, and videos; therefore, strong reading, writing and critical thinking skills are very important for success in an online course.
- Success in this class will come from independent reading of textbook chapters as well as other assigned material.

### **Time commitment:**

- Plan to spend at least as much time working on the assignments and studying as you would with a traditional course. As the semester progresses, more time may be required to complete the components of the final project/assignment.

For assignments, it is highly recommended that students do not wait until the last minute to complete assignments, discussion boards or exams. Communication is important! If you have questions, concerns, are struggling with understanding material, will be missing class, etc. please notify the instructor.

## **GRADING**

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

Total points corresponding to the final letter grades

A = 900-1000 Points

B= 800-899 Points

C= 700-799 Points

D= 600-699 Points

F= 599 & > Points

Details on assignments grading on D2L

**\* If you drop the class, and you are not passing the course, the grade assigned will be “Dropped Failing”.**

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*As a major course, a grade of "C" or better is required.*

## **Assessments**

All coursework/ assignments (unless otherwise stated) need to be written and formatted per APA Publication Manual (7<sup>th</sup> Ed).

The student will be responsible for obtaining all materials presented online and assigned readings from the textbook. All class assignments must be turned in online. No emailed work will be accepted. **Unless otherwise specified, all assignments are due ONLINE by 11:59pm on the specified due date.** No late work accepted for quizzes, final exam and project group submissions.

Late Work Policy for written individual assignments only. Exams & group work, no late work accepted.

- 0-24 hours late: 50% credit possible
- 24+ hours late: No credit possible

*\*All Group Engagement must occur via a platform that allows for group work (Zoom & Google Docs). All members must attend group meetings and participate in accordance with the group contract. If no participation, (attending meetings, contributing to work etc), this will be used as an indication you are not actively participating, resulting in working alone and not getting credit on work that has been done thus far.*

*See D2L for details on all course assignments.*

## **TECHNOLOGY REQUIREMENTS**

### **LMS**

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

[https://documentation.brightspace.com/EN/brightspace/requirements/all/browser\\_support.htm](https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm)

YouSeeU Virtual Classroom Requirements:

[https://support.youseeu.com/hc/en\\_us/articles/115007031107-Basic-SystemRequirements](https://support.youseeu.com/hc/en_us/articles/115007031107-Basic-SystemRequirements)

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## ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu).

**Note:** Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

## COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

### Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

### Interaction with Instructor Statement

E-mail strategy: You are welcome to email your questions or concerns to me. There are, however, some caveats associated with email that you must remember:

1. A reasonable response time to emailed questions is 24 - 48 business hours.
2. Questions emailed on weekends may not receive a response until the work week begins.
3. As the instructor, I reserve the right to answer emailed questions regarding assignments, tests, discussion boards, etc., in a direct email/announcement post to everyone for the benefit of all students.
4. Please be courteous and professional in all of your interactions with fellow classmates and instructor.

## COURSE AND UNIVERSITY PROCEDURES/POLICIES

I strongly recommend that you read assigned chapters. Power-point presentations should not be used as a substitute for reading the chapter readings. Because group discussion will be used for a portion of the class, it is absolutely necessary that class readings be read.

✓ This class may have an “experiential learning” component that will require attendance and travel outside of class. For these activities/sessions, attendance is required as grades are contingent on participation. Those dates will be clearly outlined in the syllabus schedule.

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1. Attendance counts as logging in, completing work weekly.
  - a. Inclusive of active involvement in class discussions, assignments, quizzes and active participation in group activities.
2. An “excused absence” is defined as a documented university approved activity. The instructor reserves the right to change the content or format of all make-up work. The student is responsible for making up missed work. If the absence is one of the reasons listed below, you will be able to make up the work. To reserve this right, you **MUST** provide written documentation on the day of your return to class (a copy that I can keep). Please notify me ahead of time if you know you will be absent.
  - a. Participation in an activity appearing on the University’s authorized activity list. ii. Death or major illness in a student’s immediate family.
  - b. Illness of a dependent family member
  - c. Participation in legal proceedings or administrative procedures that require a student’s presence.
  - d. Religious Holy Day (please let instructor know at the beginning of the semester so as to discuss alternative accommodations as appropriate)
  - e. Illness that is too severe or contagious for the student to attend class (to be determined by Health Center or off campus physician).
  - f. Required participation in military duty
3. Any student *missing a quiz or exam* without prior arrangement (and adheres to excused absences) will receive a *score of zero*.
4. You **MUST** be familiar with D2L; familiarize yourself with the online portion of the class.
5. You **MUST** check your email regularly in case I need to communicate with you. I will not email you junk, and I request that you do the same for me.
6. **NO PROFANITY**. No inappropriate or offensive language or gestures. No inappropriate or offensive clothing. This will not be tolerated and you will be asked to leave and it will be considered an unexcused absence for the day.

### **Make-up Work**

Make-up of coursework will follow university protocols as listed above. Life circumstances do happen and in those instances, I encourage you to reach out as soon as possible so we can review and discuss potential make-up/extensions. In most cases:

- Send a notification at least 48 hours business hours prior to the end of the course week a particular assignment is due in order to verify your reason for missing coursework (rare circumstances and/or excused absences).

### **Syllabus Change Policy**

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

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## University Specific Procedures

### Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: <https://www.britannica.com/topic/netiquette>

### East Texas A&M University Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

### Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

[Undergraduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

### Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that

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provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

### **Office of Student Disability Resources and Services**

Texas A&M University-Commerce

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

### **Nondiscrimination Notice**

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

### **Campus Concealed Carry Statement**

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M Commerce campuses. Report violations to the University Police Department at 903886-5868 or 9-1-1.

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## **A&M-Commerce Supports Students' Mental Health**

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit [www.tamuc.edu/counsel](http://www.tamuc.edu/counsel)



### **Mental Health and Well-Being**

**The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore resources available to you for guidance and support whenever you need it.**

Department or Accrediting Agency Required Content

**Please note that this schedule is tentative and is subject to change.**

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**HHPH 416: EPIDEMIOLOGY**  
**COURSE OUTLINE / CALENDAR**

**COURSE OUTLINE: Spring 2025**

*Please note that this schedule is tentative and is subject to change.*

Week #	Topics	Assigned Readings	<p><i>*All assignments are due SUNDAY by 11:59 PM CST</i></p> <p>Assignments &amp; Exams</p>
Week 1 (1/13-1/19)	Introduction	Course material, Chapter 1	Introduction video Syllabus Quiz
Week 2 (1/20-1/26)	Epidemiology & Data Presentation	Chapter 2	Discussion 1
Week 3 (1/27-2/2)	Measures of Disease	Chapter 3	Homework 1, DEP Project Topic Selection
Week 4 (2/3-2/9)	Data & Disease Occurrence	Chapter 4	Quiz 1 (on Ch. 1-3)

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Week 5 (2/10-2/16)	Descriptive Epidemiology	Chapter 5	DEP Annotated Bibliography
Week 6 (2/17-2/23)	Association & Causality	Chapter 6	Quiz 2 (on Ch. 4-5)
Week 7 2/24-3/2)	Review		DEP Paper Outline & Abstract
Week 8 (3/3-3/9)	Analytical Epidemiology (Intro to study designs, ecological studies)	Chapter 7	<b>Exam 1 (on Ch. 1-6)</b>
Spring Break 3/10-3/16			
Week 9 (3/17-3/23)	Analytical Epidemiology (Case-Control, Cohort, & Experimental Studies)	Chapter 7	Discussion 2
Week 10 (3/24-3/30)	Epidemiology & Policy	Chapter 8	Quiz 3 (on Ch. 6-7)
Week 11 (3/31-4/6)	Epidemiology & Disease Screening	Chapter 9	DEP Draft Paper
Week 12 (4/7-4/13)	Infectious Disease & Outbreak Investigation	Chapter 10	Quiz 4 (on Ch. 8-9)
Week 13 (4/14-4/20)	Social & Behavioral Epidemiology	Chapter 11	Case Study

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Week 14 (4/21-4/27)	Special Epidemiological Applications	Chapter 12	
Week 15 (4/28-5/4)	Project Wrap-Up, Review		Final DEP Paper, DEP Presentation
Week 16 (5/5-5/8)	Finals Week		Exam 2 DUE THURSDAY @ 11:59 PM

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