



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

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

## **HHPH 587: PRINCIPLES OF EPIDEMIOLOGY**

COURSE SYLLABUS: SPRING 2026

### **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@etamu.edu](mailto:Ellie.Klee@etamu.edu)

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

Communication Response Time: 48 business hours

### **COURSE INFORMATION**

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

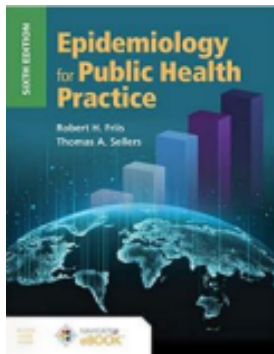
**Course Location/Time:**

- 81B – Bi-Weekly Zoom sessions (TBD)
- 01W = Online

**PREREQUISITE: HHPK 617**

Materials – Textbooks, Readings, Supplementary Readings

*The syllabus/schedule are subject to change.*



**REQUIRED Text: Epidemiology for Public Health Practice**

Inclusive Access for the required textbook is automatically provided on D2L, no need to purchase independently.

**ADDITIONAL Suggested/FYI resources:**

- **Epidemiology and Health Statistic**

*Statistical and Epidemiological resources for Health Professionals*

<https://researchguides.uic.edu/c.php?g=252253&p=1683071>

- A good online text: *Principles of Epidemiology: An Introduction to Applied Epidemiology and Biostatistics. Second Edition. It is available at:*

<https://www.cdc.gov/csels/dsepd/ss1978/index.html>

- **Epidemiology – American Public Health Association**

*The Epidemiology Section fosters epidemiologic research and science-based public health practice. It serves as a conduit between the epidemiologic research community and users of scientific information for the development, implementation and evaluation of policies affecting the public's health.*

<https://www.apha.org/apha-communities/member-sections/epidemiology>

- **Epidemiology, the Internet and Global Health.**

*An online compilation of hundreds of lectures on a wide variety of topics; I would recommend this site to anyone interested in further reading on a specific subject area. The site can be accessed at <http://www.pitt.edu/~super1/>*

## **Course Description**

Epidemiology is the study of the distribution and determinants of health and disease in different human populations and the application of methods to improve disease outcomes. As such, epidemiology is the basic science of public health. This course will introduce students in all fields of public health to the background, basic principles and methods of public health epidemiology investigation for both communicable and non-communicable diseases.

## **Student Learning Outcomes:**

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

1. Apply the basic terminology and definitions of epidemiology

*The syllabus/schedule are subject to change.*

2. Calculate basic epidemiology measures of frequency and association
3. Identify and appropriately use key sources of data for epidemiologic purposes
4. Draw appropriate inferences from epidemiologic data
5. Evaluate the strengths and limitations of epidemiologic reports
6. Apply basic infectious and chronic disease methods and data
6. Identify common sources of error in epidemiologic research
7. Describe a public health problem in terms of magnitude, person, time, and place
8. Explain the importance of epidemiology for informing scientific, ethical, economic, and political discussion of health issues
9. Communicate epidemiologic information to lay and professional audiences

## **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**

The course is organized by weekly modules. Each module will be formatted similarly including chapter learning objectives, lecture and assignments and will be outlined in the syllabus schedule on D2L. The instructor has the right to modify the outline of the course.

### **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.

#### **Self-motivated and independent learner:**

- While online courses can offer more flexibility in scheduling, they require more self-discipline

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and independence than on-campus courses.

- In the online environment, you have to be able to start and to work on tasks on your own, without someone keeping you focused, and you have to be self-disciplined in order to follow the class schedule and meet deadlines.

### **Time commitment:**

- Online classes take as much time as regular on-campus classes. You need to set aside sufficient time for study. Plan to spend at least as much time working on the assignments and studying as you would with a traditional course. You should plan to spend approximately 10 hours study time per week to accomplish your readings and various module assignments.
  - **As the semester progresses, more time may be required to complete the components of the final/major written assignment(s).**
  - I encourage you to be proactive and budget your time wisely. Spend the first few days of each module reviewing what the workload entails and budget your time wisely. Some students may require more time. You know your study habits and abilities, so encourage you to be wise so all work is completed by the due date.
  - **Late Work Policy for select individual assignments (except quizzes/exams/final project)**
    - 0-24 hours late: 50% credit possible
    - 24+ hours late: No credit possible
  - **01W students:** Even though you may not have to "be" in class on some specific day and time, you still have to follow the course schedule provided. Remember that online classes are not independent study courses; you are still required to "show up" and participate actively (e.g. regularly logging into the course website, actively participating and turning in assignments on time).
  - **01E/81B students:** Bi-weekly lecture & check-in sessions are required. More details shared on D2L along with Zoom link (01W students are welcome to join these as we discuss the class content)

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%

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D = 60%-69%

F = 59% or Below

Total points corresponding to the final letter grades

A = 900– 1000 points B= 800-899 C= 700-799 D= 600-699 F= 599 & > Points

Please see a listing of all assignment and the grading criteria for Course

### **Grading Criteria:**

Introductions Video	15 points
Homework Assignments/Discussions	320 Points
Annotated Bib/Lit Review Assignment	150 points
Midterm	80 Points
DEP Topic Selection, Abstract, Outline	35 Points
Final DEP Paper	150 points
DEP Presentations	150 points
Final Exam	100 points
<b>Total Possible Points</b>	<b>1000 points</b>

- It is your responsibility to regularly monitor your points in the D2LGrade Center. If you notice a discrepancy, contact me immediately. Do not wait until the end of the semester to question your grades.
- **If you drop the class, and you are not passing the course, the grade assigned will be “Dropped Failing”.**

### **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**

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**specified due date. No late work accepted for quizzes, exams and project group submissions.**

**A. Midterm Exam (80 points)**

A midterm exam will be administered, covering the information in the book and lectures. Test will consist of objective questions (T/F, multi-select, fill in the blank and multiple choice) and application questions. *\*No late/ make-up exam will be given, unless arrangements are made prior to the exam or a verifiable medical excuse is provided within 3 days.*

**B. Homework Assignments/Discussions (320 points)**

As a part of learning and application, students will be required to complete homework assignments that include participating in discussion posts (5 discussions @ 40 points each, excluding the introductory discussion) and completing calculation worksheets (6 chapters @ 20 points each). These assignments will be based on the assigned readings. To complete these, students should first read the assigned readings, work through the end of chapter questions before completing the corresponding assignment. Directions for each will be provided on D2L in the corresponding week/chapter folder.

**C. Annotated Bibliography/ Literature Review Assignment (150 points)\***

In order to complete your DEP assignment, you will need to do research. This assignment requires you and your group member to find 15 peer-reviewed journal articles (less than 5 years old) focusing on various aspects of your selected health issue. Only 6 of these will be read & annotated.

*\*See Assignment Guidelines on D2L for more directions\**

**D. Descriptive Epidemiology Project (325 Points)\***

❖ **Descriptive Epidemiology Paper “DEP” Topic Selection, Abstract, and Outline (35 points)**

❖ **Descriptive Epidemiology Paper “DEP” (150 points)**

- Your class project is to write a descriptive Epidemiology paper (DEP) on a selected health problem related to health promotion.

❖ **Descriptive Epidemiology Presentation (150 points)**

- Each group will prepare a conference poster to showcase and present in a 10-12 minute presentation that can be showcased at a virtual Epidemiology conference.
- Your presentation must allow viewers to see your Poster AND all group members as you present. Dress code: Business Attire

*\*See Project Guidelines on D2L for more directions\**

*\*Any Group Engagement must occur via a platform that allows for group work (Zoom & Google Docs). Group members will be evaluated based on this participation and if none, may result in working alone and/or not getting credit on group work that has been done thus far.*

### **E. Final Exam (100 points points)**

A comprehensive final exam will be administered, covering the information in the book and lecture discussions. Test will consist of objective questions (T/F, multi-select, fill in the blank, and multiple choice) and application questions. *\*No late/ make-up exam will be given, unless arrangements are made prior to the exam or a verifiable medical excuse is provided within 3 days.*

## **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-System-Requirements \](https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements)

## **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.

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## **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**

The course is organized by modules, each formatted very similarly with a 2 to 3 week duration (except for Module 5). Each module will include module learning objectives, printable power point slides, additional reading materials and module assignments. A tentative course schedule with due dates is listed at the bottom of the syllabus on D2L. You will be responsible for managing your time to complete readings, post your discussion boards, and written assignments. All assignments should be submitted in the respective assignment link.

### **Attendance:**

- Time spent on coursework is at your leisure (except for due dates).
- You can work at your own pace (except that due dates are absolute).
- Due dates are when coursework MUST be completed. You can work ahead, but you cannot get behind.

*The syllabus/schedule are subject to change.*



### **What Should Students Do First? Students should begin by:**

- Thoroughly reviewing the syllabus
- Obtain materials (textbooks)
- Familiarizing oneself with the course layout (watch welcome video)
- Introduce yourself in the Module 1 introduction discussion
- Review the major assignments information

### **How Should Students Proceed Each Week for Class Activities?**

- The student will access and follow all course instructions found in the module content areas.
- The student will read associated module readings and listen to all online lectures provided in the Power Point section.
- The student will then complete all module assignments inclusive of discussion boards, written assignments and major project content.

### **Course Specific Policies**

1. For 01E/81B students, weekly remote attendance on scheduled day/time is **required**.
  - a. If you are unable to attend a class, please notify me through email.
  - b. For 01W, attendance counts as logging in, completing work weekly.
  - c. It will be very difficult for you to do well in this class if you miss submitting coursework. Please be aware that class participation goes beyond simply logging into this class. Just because you are logged in to the class, does not mean you are participating. It means active involvement in class discussions, assignments, quizzes and active participation in group activities.
2. For 01E students, while you are in class, I expect you to participate. That means you should a) actively prepare by reading the assigned materials, b) participate in discussion (ask and answer questions), c) bring your notes and textbook, d) bring your ideas, and e) come ready to engage
  - ✓ This class may have an “experiential learning” component that will require attendance and travel outside of class. For these activities/session, attendance is required as grade is contingent of participation. Those dates will be clearly outlined in the syllabus schedule.
3. 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.

- b. Death or major illness in a student's immediate family.
  - c. Illness of a dependent family member
  - d. Participation in legal proceedings or administrative procedures that require a student's presence.
  - e. Religious Holy Day (please let instructor know at the beginning of the semester so as to discuss alternative accommodations as appropriate)
  - f. Illness that is too severe or contagious for the student to attend class (to be determined by the Health Center or off campus physician).
  - g. Required participation in military duty
4. Any student *missing a quiz or exam* without prior arrangement per the make-up policy will receive a *score of zero*.
5. You **MUST** be familiar with D2L; familiarize yourself with the online portion of the class.
6. You **MUST** check your e-mail 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.
7. **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 only be given in very rare circumstances: serious illness with a note from your physician, a death in your family with appropriate documentation, or if you have an officially excused absence while representing the university. If any of these situations occur you **MUST** email me **48 business hours prior to said excused absence**.

- Make-ups will only be given if I have been notified 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). All missed coursework not meeting the criteria for a make-up will be given a grade of 0.

### **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.

## **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>

### **TAMUC 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 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 903-886-5868 or 9-1-1.

### **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 the resources available to you for guidance and support whenever you need it.*



# HHPH 587: EPIDEMIOLOGY

## COURSE OUTLINE / CALENDAR

COURSE OUTLINE: Spring 2026

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

Week #	Topics	Assigned Readings	<p><b><i>*All assignments are due SUNDAY by 11:59 PM CST</i></b></p> <p>Assignments &amp; Exams</p>
Week 1 (1/12-1/18)	Introduction	Course material, Videos	Introduction video & Discussion, Syllabus Quiz
Week 2 (1/19-1/25)	History, Scope, & Practical Applications of Epi; Epi as a Profession	Chapter 1, 2, 16 <b><i>Review DEP Project</i></b>	Discussion 1
Week 3 (1/26-2/1)	Measures of Morbidity & Mortality	Chapter 3	Homework 1, <b><i>DEP Project Topic Selection</i></b>
Week 4 (2/2-2/8)	Descriptive Epidemiology	Chapter 4	Discussion 2
Week 5 (2/9-2/15)	Sources of Data	Chapter 5	Discussion 3
Week 6 (2/16-2/22)	Study Designs: Ecological, Cross-Sectional, Case-Control	Chapter 6	<b><i>DEP Annotated Bibliography/ Lit Review</i></b>
Week 7 (2/23-3/1)	Study Designs: Cohort Studies	Chapter 7	<b><i>DEP Paper Outline &amp; Abstract</i></b>

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Week 8 (3/2-3/8)	Study Designs: Experimental	Chapter 8	Exam 1 (on Ch. 1-7)
Spring Break 3/9-3/15			
Week 9 (3/16-3/22)	Measure of Effect	Chapter 9	Homework 2
Week 10 (3/23-3/29)	Data Interpretation Issues; Infectious Disease	Chapter 10, 12	Discussion 3
Week 11 (3/30-4/5)	Screening for Disease	Chapter 11	Homework 4
Week 12 (4/6-4/12)	Epidemiologic Aspects of Work and the Environment  <b>FYI: Health Fair Wed. 4/8 (Details to Come)</b>	Chapter 13	Homework 5
Week 13 (4/13-4/19)	Social, Behavioral, & Psychosocial Epi	Chapter 15	Homework 6
Week 14 (4/20-4/26)	Health Policy	Chapter 17	Final DEP Paper
Week 15 (4/27-5/3)	Project Wrap-Up, Review		DEP Presentation Peer Review, Reflection
Week 16 (5/4-5/7)	Finals Week		Exam 2 DUE THURSDAY @ 11:59 PM

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