

Infectious Diseases  
Biology 3311  
MWF 11:00-11:50  
103 Science Hall  
Fall 2016

Dr. Lee Ann Frederick  
465 Life Science  
817-272-7064, [leeann@uta.edu](mailto:leeann@uta.edu)  
Faculty Profile: <https://www.uta.edu/mentis/public/#profile/profile/edit/id/4019/>

**Office Hours:** MWF 2:00-3:00 or by appointment

**Course Description:** This course will cover key concepts that relate to the history and background of infectious diseases, as well as the emergence, spread, and control of infectious disease epidemics.

**STUDENT LEARNING OUTCOMES:**

- Understand the basic disease dynamics of infectious organisms including: history, symptoms, diagnosis, transmission, and prophylaxis.
- Knowledge of current topics in infectious diseases including: emerging diseases, drug resistance, eradication of diseases, evolution of virulence, vaccine controversy, bioterrorism, epidemiology and recent outbreaks.
- *Critical Thinking Skills:* to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
- *Communication Skills:* to include effective development, interpretation and expression of ideas through written and oral communication.
- *Teamwork:* to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

**Required Materials:** There are no mandatory resources for this course. However the following books will be referenced throughout the course: *Harrison's Infectious Diseases*, 2nd Ed.; *Viruses, Plagues, & History*, Oldstone; *Spillover*, Quammen; *The Coming Plague*, Garrett; *Killer Germs*, Zimmerman & Zimmerman.

**GRADING:** Your grade will consist of 550 total points and be based on the following:

A. 3 Lecture Exams, each 100 pts (50 multiple choice questions)

**B. Movie Answer Sheets- pts**

C. Oral Presentation- 100 pts

D. Attendance (during presentations)- 100 pts

**MAKE UP EXAMINATIONS:** Students are eligible to take a make-up essay exam with an excused absence only. Proper documentation must be presented before the make-up will be issued. Excused absences include getting sick (doctor's note), car accident (police report), or a death in the immediate family (copy of obituary or death certificate). Work is not an excused absence. **If you have work hours during this class time, do not enroll in this course.** *If students have an excused school absence (ROTC, athletic event, University organization event, a medical school interview), they will take the exam early. Unexcused absences will count as a zero.*

**EXAMINATIONS:** All exams are multiple choice and require a scantron form 882-ES, #2 pencil, and an ID. There are three lecture exams. The lecture exams are 50 multiple choice questions. **If you know you have a schedule conflict with an exam date (excused absence only), you must notify your professor within the first two weeks of class to take the exam early.** Exams are curved up to an average of 70% if needed. ID's are required for every exam. Students who arrive unprepared will be deducted points. If you forget your ID or a scantron, it is minus one point for each.

**ORAL PRESENTATION:** Students will give a 6-7 minute presentation on an infectious disease not covered in class. A grading rubric is posted in Blackboard. The presentation will include the following information: current events/impact on history, transmission, signs/symptoms, diagnosis, treatment, prevention, references.

**Honors Credit:** Students in the Honor's College may receive an honors credit for this course by giving a full lecture on an infectious disease.

**ATTENDANCE POLICY:** At the University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. However, while UT Arlington does not require instructors to take attendance in their courses, the U.S. Department of Education requires that the University have a mechanism in place to mark when Federal Student Aid recipients "begin attendance in a course." UT Arlington instructors will report when students begin attendance in a course as part of the final grading process. Specifically, when assigning a student a grade of F, faculty report the last date a student attended their class based on evidence such as a test, participation in a class project or presentation, or an engagement online via Blackboard. This date is reported to the Department of Education for federal financial aid recipients.

In this course, attendance is only mandatory on exam dates, movie dates and during the student presentations at the end of the course. You may miss one student presentation day, unexcused, without penalty. Medical school interviews are excused absences and will not count as your one free missed day. Work is not an excused absence. Points will be deducted if you are late or leave early without permission. **Ten points will be deducted** for every day missed during the student presentations.

As the instructor of this section, **attendance is highly recommended**. Excessive absences can potentially affect your course grade. If you miss class, **YOU** are responsible for obtaining missed information, class notes, etc. There is no textbook to study on your own and you are responsible for everything covered in class including documentaries watched, student presentations and lecture material.

**AMERICANS WITH DISABILITIES ACT:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a **letter certified** by the Office for Students with Disabilities (OSD). Only those students who have officially documented a need for an accommodation will have their request honored. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting: **The Office for Students with Disabilities, (OSD)** [www.uta.edu/disability](http://www.uta.edu/disability) or calling 817-272-3364. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability). **Counseling and Psychological Services, (CAPS)** [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

**Non-Discrimination Policy:** *The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit [uta.edu/eos](http://uta.edu/eos).*

**Title IX Policy:** The University of Texas at Arlington ("University") is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. *For information regarding Title IX, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX) or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or [jmhood@uta.edu](mailto:jmhood@uta.edu).*

**Campus Carry:** Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

**ACADEMIC INTEGRITY:** It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Suspected violations of university's standards for academic integrity will be referred to the Office of Student Conduct. Discipline may include suspension or expulsion from the University. "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

**In this course if you are caught cheating you will receive an automatic F for your overall course grade.**

**BLACKBOARD:** You are responsible for checking Blackboard on a regular basis. All class notes, grades and information, including this syllabus can be found on Blackboard. If you have any questions, **please check Blackboard first**, if you still cannot find the information you are looking for, then you may email me.

**To access blackboard:** [elearn.uta.edu](http://elearn.uta.edu)

**MAVMAIL:** All students are assigned an email account; information about activating and using it is available at [www.uta.edu/email](http://www.uta.edu/email). **Students are responsible for checking their email regularly.** \*Email Note: When emailing me, be sure to **include your entire name and what class you are in**. I will not read the email if this information is not available. Be professional and courteous. You should always address your professors as: Professor or Dr. and include your full name.

**STUDENT SUPPORT SERVICES:** UTA has established a variety of programs to help students meet the challenges of college life. Support to students includes advising, counseling, mentoring, tutoring, supplemental instruction, and writing assistance. For a complete list of academic support services, visit the Academic Assistance resource page of the Office of Student Success Programs, [www.uta.edu/uac/studentsuccess/academic-assistance](http://www.uta.edu/uac/studentsuccess/academic-assistance). To help students address personal, academic and career concerns, individual counseling is also available. For more information, students are encouraged to contact Counseling Services [www.counseling.uta.edu](http://www.counseling.uta.edu) at (817) 272-3671 or visit a counselor in 216 Davis Hall or send a message to [resources@uta.edu](mailto:resources@uta.edu).

**SOAR TUTORING:** SOAR (Students Obtaining Academic Readiness) is located in 132 Hammond Hall and offers free academic support for qualifying students and low-cost services for all students, including Cost Share Tutoring.

**FINAL REVIEW WEEK:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

**DROP POLICY:** Students may drop classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their **academic advisor** to drop a class or withdraw. **Undeclared** students must see an advisor in the University Advising Center on the second floor of Davis Hall.

It is the student's responsibility to officially withdraw if they do not plan to attend after registering. *You* are responsible for seeing that all of the proper paperwork is completed and submitted to the appropriate university officials. If this paperwork is not completed, you will receive a letter grade corresponding to your earned grade, including zeros for all missed work. Students will not be automatically dropped for non-attendance. Repayment of certain types of financial aid administered

through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information (<http://www.uta.edu/aao/fao/>).

As a result of recent legislation passed by the Texas Legislature, any student who enrolls in a public institution of higher education as a first-time freshman in Fall 2007 or later will be limited to six dropped courses during the course of their academic career. This applies to UTA course work and course work completed at other Texas public institutions. In addition, a student can only attempt the same course two times. On the third attempt, the student will be charged the equivalent of out-of-state tuition for the course.

**Grade Replacement Policy:** Students enrolling in a course with the intention of replacing a previous grade earned in the same course must declare their intention to do so at the Registrar's office by Census Date of the semester in which they are enrolled. Grade replacement will not be allowed if the above procedure is not followed.

**Student Feedback Survey:** At the end of each term, students enrolled shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, which is located out the doors to the left or right. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

**BOMB THREATS:** If anyone is tempted to call in a bomb threat, be aware that UTA will attempt to trace the phone call and prosecute all responsible parties. Every effort will be made to avoid cancellation of presentations/tests caused by bomb threats. Unannounced alternate sites will be available for these classes. Your instructor will make you aware of alternate class sites in the event that your classroom is not available.

**AFTER HOURS SAFETY ESCORT:** The Sam Mav Escort service provides a service to assist students, faculty, staff and campus visitors to reach their destinations after regular business hours. The hours of service are 7:00 p.m. to 1:00 a.m., Sunday through Saturday. 817-272-3381

**Tentative Lecture Schedule:** As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Dr. Frederick

This is an outline, this course has only been taught once before; new material has been added. You need to come to class and check your email daily to stay on top of the class schedule as it is expected to change. Saying you "didn't know" is not an excused absence in this course! It is your job to stay on top of announcements and emails and come to class!

Fri	26-Aug	Syllabus	Mon	17-Oct	Zika Virus
Mon	29-Aug	Intro/Pathogenesis	Wed	19-Oct	Exam 2
Wed	31-Aug	Virus Background/Smallpox	Fri	21-Oct	Anthrax
Fri	2-Sep	Smallpox	Mon	24-Oct	Bubonic plague
Mon	5-Sep	Labor Day	Wed	26-Oct	Tuberculosis
Wed	7-Sep	Movie Smallpox	Fri	28-Oct	Cholera
Fri	9-Sep	Chicken Pox	Mon	31-Oct	Movie
Mon	12-Sep	Measles	Wed	2-Nov	*Drop Date
Wed	14-Sep	Rubella/Mumps	Fri	4-Nov	Typhoid Fever/Thyphus
Fri	16-Sep	Polio	Mon	7-Nov	Malaria
Mon	19-Sep	Polio	Wed	9-Nov	Exam 3
Wed	21-Sep	Influenza	Fri	11-Nov	Student Presentations
Fri	23-Sep	Influenza	Mon	14-Nov	
Mon	26-Sep	Exam 1	Wed	16-Nov	
Wed	28-Sep	Lassa Fever	Fri	18-Nov	
Fri	30-Sep	Marburg/Ebola	Mon	21-Nov	
Mon	3-Oct	Ebola	Wed	23-Nov	No Class
Wed	5-Oct	Nipah Fever	Fri	25-Nov	Thanksgiving
Fri	7-Oct	HIV	Mon	28-Nov	
Mon	10-Oct	HIV	Wed	30-Nov	
Wed	12-Oct	SARS, MERS	Fri	2-Dec	
Fri	14-Oct	West Nile/Yellow Fever	Mon	5-Dec	
			Wed	7-Dec	