

Pharmacology 305 Syllabus

MILESTONES IN MEDICAL PHARMACOLOGY

Fall 2020

Course Director: Karen M. Lounsbury, Ph.D.

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Class Time: Wednesdays 3:30-5:30 pm

Location: HSRF 400

Course Description

This course is designed to give students a perspective on the history of pharmacologic discoveries. Students will read historical articles and research the biography and impact of the study on human health and research progress. Students will learn presentation skills and participate in small group discussion.

Learning Objectives:

1. Describe the historical context of a variety of pharmacologic milestones and develop an appreciation for the impacts of the past on drug development.
2. Develop research skills by gathering information related to milestone medical pharmacology discoveries
3. Compile information to create and present an interactive presentation
4. Discuss milestones in medical pharmacology as both a presenter and a member of the audience
5. Evaluate presentations and provide meaningful feedback to peer presenters
6. Utilize feedback from the instructor and peers to improve presentation skills

Course Materials:

Choices of milestone papers in several categories will be posted on Blackboard. Students will review the topics and choose papers and dates to present at the first class meeting. If a student would like to present a different topic, the topic needs approval by the instructor.

Grading Criteria:

- Students are expected to present 3 research paper presentations (75% of grade) as a powerpoint during the semester.
- Attendance and participation in discussion will account for the remaining 25% of the grade. All papers will be supplied on Blackboard, so students who are not presenting are expected to review the basic premise of the paper, but not expected to be an expert. Students will provide peer reviews for all presentations
- Evaluations will be provided after each presentation (peer and instructor) and improvement will be considered in the final grade.

**Note, absences from class will require the student to write a topic review for the papers that were discussed. If a student cannot attend due to quarantine or mild illness, they could present/attend remotely using Zoom.

The presentations should be 20-30 minutes and include:

1. Outline/Objectives of the presentation
2. Biography of the principle investigator (timeline, personal info, awards, etc)
3. Overview of the paper
 - state of the field at the time
 - describe the methods and primary results (choose critical figures, do not cover every figure, this is not a journal club)
 - must give the primary impact of the research
3. State of the field today---with a current model of the system studied or current pharmacologic uses/side effects. Papers dated prior to 1980 are presented with a new paper that uses the technology in a modern setting in the discussion.
4. Discussion questions---one or two questions for the audience, can be a multiple choice question or a case example to determine if the audience learned the main points.

Feel free to be creative with historical information/photos/etc. Projector and computer are available. Students can use a flashdrive or can access their email to download onto the classroom computer (preferred).

Some helpful tips on presentations can be found: <https://wp0.vanderbilt.edu/cft/guides-sub-pages/making-better-powerpoint-presentations/#resources>

Safe Campus Environment: COVID-19 adjustments:

We are fortunate to have a very small class (<10), which is great for discussion, and also allows lots of space to reduce risk of exposure to COVID 19. All classes will be in-person. Below are student expectations for attending class:

1. All students will wear a face covering in hallways and in the classroom
2. Students should sit with 6 ft spacing, which is 1 per table in HSRF 400
3. Students will use the provided sanitary wipes to clean their spaces prior and after class
4. If possible, please bring a laptop/tablet to class to reduce the need for paper copies of the evaluation form. I will provide them if needed, bring your own pen/pencil.
5. If a student cannot attend due to quarantine or mild illness, they could present/attend remotely using Zoom—please contact Dr. Lounsbury to attend remotely. If any student in the class or the instructor tests positive, all presentations will be done remotely.

Below is the class Zoom if needed set for every Wed:

<https://uvmcom.zoom.us/j/91834027373>

Meeting ID: 918 3402 7373

Passcode: 442367

One tap mobile

+16468769923,,91834027373# US (New York)

Any changes to classroom policy will be determined by UVM guidelines:

<https://www.uvm.edu/returntocampus>

Additional UVM Course Policies:

Student Learning Accommodations:

In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact SAS, the office of Disability Services on campus. SAS works with students and faculty in an interactive process to explore reasonable and appropriate accommodations, which are communicated to faculty in an accommodation letter. All students are strongly encouraged to meet with their faculty to discuss the accommodations they plan to use in each course. A student's accommodation letter lists those accommodations that will not be implemented until the student meets with their faculty to create a plan.

Contact SAS:

A170 Living/Learning Center;

802-656-7753;

access@uvm.edu

www.uvm.edu/access

Religious Holidays:

Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time. <https://www.uvm.edu/registrar/religious-holidays>

Academic Integrity:

The policy addresses plagiarism, fabrication, collusion, and cheating.

<https://www.uvm.edu/sites/default/files/UVM-Policies/policies/acadintegrity.pdf>

Grade Appeals:

If you would like to contest a grade, please follow the procedures outlined in this policy:

<https://www.uvm.edu/policies/student/gradeappeals.pdf>

Grading:

For information on grading and GPA calculation, go to

<https://www.uvm.edu/registrar/grades>

Code of Student Conduct:

<http://www.uvm.edu/policies/student/studentcode.pdf>

FERPA Rights Disclosure:

The purpose of this policy is to communicate the rights of students regarding access to, and privacy of their student educational records as provided for in the Family Educational Rights and Privacy Act (FERPA) of 1974.

<http://catalogue.uvm.edu/undergraduate/academicinfo/ferparightsdisclosure/>

Promoting Health & Safety:

The University of Vermont's number one priority is to support a healthy and safe community:

Center for Health and Wellbeing:

<https://www.uvm.edu/health>

Counseling & Psychiatry Services (CAPS)

Phone: (802) 656-3340

C.A.R.E.

If you are concerned about a UVM community member or are concerned about a specific event, we encourage you to contact the Dean of Students Office (802-656-3380). If you would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at <https://www.uvm.edu/studentaffairs>