

COLLEGE OF PHARMACY HONORS – MEDICINAL CHEMISTRY SEMINAR PHAR 6150 (1 credit) – Spring 2019

Course Director & Faculty: Professor Daniel Harki
2-139 Cancer & Cardiovascular Research Building (CCRB)
612-625-8687; daharki@umn.edu

Time: Tuesdays, 3:30 – 5:00 pm
Location: 1-451 Moos Tower

All office hours are by appointment.

DESCRIPTION OF THE COURSE

A seminar program that incorporates external, internal, and Department of Medicinal Chemistry graduate student speakers.

PREREQUISITES

Student in the Pharm.D. program and consent of Professor Harki.

COURSE OBJECTIVES

The experience is designed to provide students with an exposure to the research being conducted in the field of medicinal chemistry both nationally and internationally. As part of this experience, students will be exposed to experimental approaches to test specific hypotheses, understand and apply sound research methods, and develop critical thinking skills that will be used throughout their studies.

EXPECTATIONS, REQUIREMENTS, AND COURSE EVALUATION

Attendance: It is expected that students enrolled in this course will attend all the weekly seminars. One unexcused absence is permitted. Further absences will result in incremental lowering of the final grade for each seminar missed (*e.g.*, B to B-). Students should sign in before each seminar.

Seminar Reports: Students are also required to write a 0.5 – 1.0 page (single spaced; 1” margins) summary of 6 seminars, which should include an overview of the seminar and a discussion of what the student learned. The report will be submitted to Professor Harki as a pdf file by Friday (the same week the seminar was presented in). Reports that meet the criteria outlined above will receive full credit. Reports that do not satisfy the requirements listed above, or reports not submitted, will each result in an incremental lowering of the final grade (*e.g.*, B to B-).

Grades: Since Pharm.D. students do not present a seminar during this course (this is required for MEDC 8100 [Ph.D.] students), a maximum grade of “B” can be earned by completing the attendance and seminar report requirements that are listed above.

Optional Paper to Earn an “A” Grade: PHAR 6150 [Pharm.D.] students have the option of preparing a paper, based upon the work presented by one of the external seminar speakers, in order to obtain an “A” grade (see below).

Paper Requirements:

1) The student will identify a seminar speaker of interest from the external speakers (not graduate students, or continuing education seminars), and then download 1-2 review articles and 1-2 primary peer-reviewed publications on the topic that will be presented by the speaker (that interests the student). The student will then email Professor Harki (due: January 21) their choice of seminar speaker and the 2-4 literature files (pdf) for approval.

2) Professor Harki will review the documents submitted above and then discuss them with the student either in-person, via email, or via videoconference.

3) Once the topic has been approved, the student will prepare a paper that will be 2-4 pages in length, single-spaced (1” margins), including figures, data tables, references, etc. The paper will

include a) a review of the topic presented by the seminar speaker, b) a narrative about how the research applies to the student as a pharmacist, and c) a discussion of how an understanding of the selected seminar speaker's research in medicinal chemistry benefits the student's advancement as a professional pharmacy (PharmD) student.

4) The paper due date will be decided upon by the student, with approval from the course coordinator, and should be specified by the student in the email described above. The latest possible submission date is the last instructional day of the semester.

5) The paper will be graded for overall quality of preparation (e.g., grammar, spelling, inclusion of references, clarity of graphics, etc.) and addressing the criteria discussed in 3) above.

ACADEMIC MISCONDUCT

Students will be expected to abide by the University of Minnesota policy on scholastic dishonesty. The following is the University definition of scholastic dishonesty: "*Scholastic Dishonesty: Scholastic dishonesty means plagiarizing; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using test materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement; altering, forging, or misusing a University academic record; or fabricating or falsifying data, research procedures, or data analysis.*"

Although instances of dishonesty and unethical behavior are rare, it is important that students be aware that such acts will be considered grounds for dismissal from the program. Because the act of plagiarism is a particularly egregious affront to scientific integrity, it warrants special attention. Plagiarism is defined as the stealing and passing off as one's own the ideas or words of another. Plagiarism may occur in seminar abstracts, research proposals, term papers, theses and similar documents. It includes not only the copying of another's writing, word for word, without the use of quotation marks and without giving an appropriate citation, but also the theft of another's ideas by paraphrasing their words without citing a reference. Plagiarism is as serious an act of dishonesty as falsifying experimental data or cheating on an exam.

Self-plagiarism is the most common case of plagiarism. Students should also be aware that using parts of an advisors grant(s), publications, or other materials is also considered plagiarism.

DISABILITY ACCOMMODATIONS

Any student with a documented disability (e.g. physical learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact Professor Harki (daharki@umn.edu) and Disability Services (626-1333) at the beginning of the semester. All discussions will remain confidential.