



**PHARM 610**  
**ADVANCED DRUG DELIVERY SYSTEMS**  
**(LEC A1 Fa20)**

Fall 2020

**Course Weight: 3**

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## Course Description

The focus of this course is on the design and development of novel delivery systems for various treatment and diagnostic applications. A particular attention will be paid to the physicochemical principles behind the development of different drug delivery systems, their biological application and significance. Emphasis is given to polymer based systems and assembled nano-carriers for the delivery of therapeutic drugs, proteins, vaccines and genes. Prerequisite: Consent of Faculty.

## Grading

<b>Title</b>	<b>Weight</b>	<b>Date</b>	<b>Type</b>
Critical Review	15%	To be determined	Assignment
In class assignments	10 %	To be determined	Assignment
Final	40%	To be determined	Exam
Midterm	35%	2020-10-20	Exam

## Additional Information about Assessments

### Critical Review

## Letter Grading

As per University policy (see \_\_\_\_\_), final grade assessment will be based on consideration of absolute achievement and relative performance in the class.

## Course Schedule

**Lecture location:** On line

**Lecture schedule:** Tue Thu 02:00 PM - 03:30 PM

Title	Date	Instructor	Topic(s)
Session 1	2020-09-01	Dr Lavasanifar	Introduction to Advanced Drug Delivery
Session 2	2020-09-03	Dr Lavasanifar	Modified Release Dosage Forms
Session 3	2020-09-08	Dr Vakili	Introduction to Polymer Science
Session 4	2020-09-10	Dr Vakili	Introduction to Polymer Science
Session 5	2020-09-15	Dr Vakili	Introduction to Polymer Science
Session 6	2020-09-17	Dr Vakili	Introduction to Polymer Science
Session 7	2020-09-22	Dr Lavasanifar	Polymer Based Drug Delivery Systems
Session 8	2020-09-24	Dr Lavasanifar	Polymer Based Drug Delivery Systems
			Systems

Session 24	2020-11-19	Dr Uludag	Gene Delivery
Session 25	2020-11-24	Dr Uludag	Gene Delivery





For students who write exams with accommodations at Accessibility Resources, please be cognizant of their deadlines and regulations. If you fail to meet these deadlines or follow the procedures, the result is most likely that Accessibility Resources will be unable to provide the necessary space and/or services you require. In these situations, the FoPPS does not have the resources to provide disability-related exam accommodations, and you will be invited to write your exams with peers during the allotted time in the assigned room.

#### Deferred Final Exams

The Faculty of Pharmacy and Pharmaceutical Sciences provides re-examinations according to [Academic Regulations about Attendance](#) for students who miss a final exam due to incapacitating mental and/or physical illness, severe domestic affliction or for circumstances as described in the University's Discrimination, Harassment and Duty to Accommodate Policy