

Stem Cell Biology & Applications in Molecular Medicine – Syllabus

GENERAL INFORMATION:

Course: 5130Q
Credit Hours: 3
Semester: Fall 2024

Time: Tuesdays, 6:00-9:00 PM
Dates: September 17 – December 17, 2024
Location: B-610

COURSE DIRECTOR:

Name: Dr. Lauren Sherman, PhD
E-mail: shermala@njms.rutgers.edu
Office hours: by appointment

COURSE DESCRIPTION:

The purpose of this course is to provide students with the current concepts of all types of stem cells. The students will gain an appreciation for translational science, while developing an understanding of the strength of interdisciplinary science. Students will be responsible for watching a pre-recorded lecture (2-3 hr) before class and arriving ready to discuss. Students are expected to arrive in class with either an understanding of the material or with specific questions. Class time will be devoted to discussing progression in the field of stem cell biology, including current and future applications.

COURSE PREREQUISITE(S):

Background in cell biology required.

READING MATERIAL

Pre-recorded lectures will be provided. Occasionally papers may be assigned by the instructor.

ATTENDANCE:

Attendance is expected for each class. Students are **expected to actively participate in the discussion**. If a student expects to miss a class *for a valid reason*, s/he should email the course director to discuss a make-up assignment.

EXAMS

Course content will be assessed via three exams. Each exam will focus on the material from that third of the course.

COURSE EVALUATION

Throughout the course, students may be asked to evaluate the course through short, anonymous, evaluation forms. Submission of these forms is required: student's specific feedback will not affect their scoring in this area.

GRADING

- Attendance: 5%
- Participation: 30%
- Exam 1: 20%
- Exam 2: 20%
- Exam 3: 20%
- Course Evaluation: 5%