

MCBI 7490 Introduction to Research – Fall 2021

When and where: Mondays 1-3 PM - Biotech. Bldg. Conference room.

Course Director: Everett C. Pesci, Ph.D.

office - Biotech Building Room 132

phone - 744-2351

email - pescie@ecu.edu

- Aug. 23** Intro by Eb Pesci. Dr. Dan Martin. Laboratory Safety.
- Aug. 30** John Baumgartner - Safe handling of Blood-borne Pathogens.
- Sept. 6** Labor Day holiday – no class
- Sept. 13** Dr. Dorcas O'Rourke. Considerations with the use of research animals.
- Sept. 20** Pesci. Lab equipment safety and care issues. Centrifuges, autoclaves, electricity, security. Working with radioactivity.
- Sept. 27** Pesci. Lab notebooks, figures, ethics, posters, seminars, teaching, jobs.
- Oct. 4** Pesci. Papers – writing a paper. **Assignment** – write an outline of your next paper.
- Oct. 11** Fall break
- Oct. 18** Pesci. Papers – submitting a paper, reviews and responses. **Assignment** – write a review.
- Oct. 25** Pesci. Papers – reviews and responses discussion. **Assignment** – write a response to a reviewer's comment and read "Guide to Effective Grant Writing" (provided)
- Nov. 1** Reading
- Nov. 8** Roop. Grant writing part 1. **Assignment** for Nov. 18 – write 4 page grant for your current project.
- Nov. 15** **Need date change** Roop. Grant writing part 2.
- Nov. 22** Roop. Grant writing part 3. **Assignment** – write reviews for grants from class.
- Nov. 29** Roop and Pesci. Mock study section on student grants. **Assignment** – write 1 page response to reviews.
- Dec. 6** **Need date change** Roop and Pesci. Grants – Mock study section review of responses.

Grades will be based on attendance and assignments, which must be handed in promptly.