

# **BISC 650 - Almost everything you wanted to know about becoming a scientist but were afraid to ask**

(a.k.a. – the non-science of science)

As a graduate student, you are trained in how to conduct research.

The aim of this course is to provide you tools to cope with the other facets of being a scientist.

Each student will complete at least one oral and one written assignment in the course. What that assignment will be will depend on you. For example, if you are writing a prospectus, that can be turned in as an assignment. If you are writing a research article, that can be the assignment. The objective is to provide you the tools so that you can apply them to your current tasks.

The course will cover:

Presentation and teaching tips to teach/give:

- A lab
- An undergraduate lecture
- A seminar class
- A seminar
- A conference presentation (both oral & poster)

Writing skills to write:

- A research prospectus
- Grants
- Research papers
- A job application
- A personal web page

Career paths in biology

- How to conduct the job interview
- Setting up your own laboratory
- How to manage a research team/lab
- Academic vs. non-academic
- Small college vs. large university
- Faculty responsibilities beyond teaching and research
- The process of peer review
- Ethics in science

And more