**BIOL 398-03**

**Term:** FALL 2016

**Course Title:** BIOLOGY, FILM & SCIENCE COMMUNICATION

**Professors:** DR. HEATHER WATTS & PATRICK SCOTT

**Course Description:**

**Objectives:**

Upon completion of this course, students will:
- Understand how the scientific method is used in biology
- Be able to clearly and accurately shepherd an idea in biology from concept to a visual that is understood by and engaging to a lay audience
- Understand differences in how science is communicated to different audiences
- Use the appropriate terminology of biology and film production
- Work effectively as a member of an interdisciplinary production team
- Be able to evaluate, give and receive constructive feedback on their work
- Identify potential career paths in science communication

**Content:**

This is a course in visualizing and communicating science, specifically biology, to general audiences. Communicating science accurately and effectively requires equal involvement between filmmakers and scientists. This course will teach film and science students skills for working together to create new media in the field of biology. Students will engage the field of biology by focusing on a variety of topics in the area of animal movement. This topic is particularly appropriate for this course because science and film have a long history of intersection in the area of animal movement and because movement is a central theme/concept in filmmaking.

**Prerequisites/Recommended Background:**

For Biology students:
- BIOL 101/111
- BIOL 102/112
- BIOL 201
- BIOL 202

**Required Texts/References:**

None

**Course Work/Expectations:**

- 1 (3 hr) class per week
- This class will be taught using a hands-on, project-based approach
- Students will work in interdisciplinary teams
- Course work may include in-class exercises, homework, quizzes, class discussions, and final group projects

**Comments:**