



THE UNIVERSITY OF  
ALABAMA AT BIRMINGHAM

**Science Communication and Review**

An Advanced Graduate Course  
Summer Semester

**COURSE DESCRIPTION:** This course will familiarize students on four major components of science communication and review: 1) how to read and review scientific manuscripts, 2) how to review scientific proposals, 3) how to give effective poster presentations and elevator summaries, and 4) how to give an oral research presentation. The course will offer the opportunity for students to be fluent and effective communicators and scientific reviewers.

**DATES OFFERED:** Monday/Wednesday/Friday, May 2 - 30, 2016

**LOCATION:** Shelby Building, Room 515

**HOURS:** 9:00-11:00 PM

**CREDIT HOURS:** 2 credit hours

**METHODS OF INSTRUCTION:** Lecture, journal article/grant reading and written reviews, oral presentation, discussion

**COURSE OBJECTIVES:** The overall goal of the course is to develop the skills required to effectively convey experimental results to an audience, review manuscripts, research proposals, and enhance scientific professional development. At the end of the course, students will be able to write a manuscript and grant review and list the important steps for submission and response to reviewers' critiques. Students will be able to detail the components of delivering an effective presentation and have experience with each common format (elevator talk, formal oral presentation, poster presentation).

**COURSE EVALUATION:** Grades will be based on the written assignments, oral and poster presentations, and class participation.

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**COURSE DIRECTORS:**

Name:	Anita Hjelmeland, Ph.D	Hubert Tse, Ph.D
Title:	Assistant Professor	Assistant Professor
Department:	Cell, Developmental and Integrative Biology	Microbiology
Office:	THT 948	Shelby 1202
Office Phone:	996-4596	934-7037
Lab Phone:	996-4597	934-0447
Email:	hjelmea@uab.edu	htse@uab.edu

**OFFICE HOURS:** Open door policy 8:30-4:30, but appointments encouraged