**Seminar: Scientific writing KINE 7950 section 1**

**Spring 2014**

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**Instructor:** Dr. Heidi Kluess

**Office:** 283 New Kinesiology Building

**Phone:** 844-1844

**E-mail:** hak0006@auburn.edu

**Office Hours:** M 12:30-1:45PM, T 8:30-9AM, W 8:30-9:45AM, F 8:30-9AM, or by appointment

**Credit:** 3 credit hours

**Syllabus prepared:** 12/13/13

**Class Schedule:** MW 10AM to 11:15AM, room 2116 COLSM

**Course Description:** This course will focus on the process of research from developing an idea to writing a grant or manuscript. We will also cover research issues such as ethics, budgets and polices, human and animal subjects, and developing your own plan for your future.

**Objectives:** Graduate students are expected to demonstrate competency in the following areas:

1. Knowledge of research ethics and intellectual property
2. Knowledge of process of developing a research project including writing an effective purpose and hypothesis.
3. Knowledge and experience with effective scientific communication through grantsmanship and manuscript writing.
4. Understanding and experience with evaluation of scientific communications

**Required Text:**

Pyrczak. Evaluating Research in Academic Journals, 4th edition

 Orcher. Conducting Research: Social and Behavioral Science Methods.

 Harris. Using Sources effectively, 3rd edition

 Other readings as assigned

**Student Evaluation:**

A. Assignments: 20% of class grade (see last page for details)

B. Final Project: 80% of class grade (see last page for details).

**Grading Scale:**

Pass=80% or better

 Fail=79.99% or lower

**Attendance Policy:**

***Class attendance*** Attendance is mandatory as a pre-requisite for participation. I will not take attendance, but many of the assignments are due in class and required to participate in the discussions. Students that are absent for any excused or unexcused reasons are expected to obtain all information necessary for successful completion of this course. I would recommend that you contact one of the students that did attend. Please do not contact me to ask if we covered something important in class that day. A detailed schedule for the class is attached to this syllabus.

**Late policy:** All assigned work is due on the stated date during the class period. The only exception is if you talk to me before the assignment is late (start of class on the day it is due) and negotiate a new due date with me.

Failure to do so will result in a **ZERO** on the assignment. The only appropriate excuses for failing to inform me ahead of time are: you were unconscious, you were unable to speak or type as a result of a medical condition, or you were in jail and didn’t want to use your one phone call on me.

**Academic Integrity Policy:** The Auburn University student academic honesty code Title XII found on the University Policies webpage (<https://sites.auburn.edu/admin/universitypolicies/default.aspx>; [https://sites.auburn.edu/admin/universitypolicies/Policies/AcademicHonestyCode.pdf](https://sites.auburn.edu/admin/universitypolicies/default.aspx)) applies to this class. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

**Disability Accommodations:** Students who need accommodations are asked to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by e-mail. If you have not established accommodations through the PSD office, but need accommodations, make an appointment with The Program for Students with Disabilities, 1228 Haley Center, 844-2096 (V/TT).

**Professionalism:** As faculty, staff, and students interact in professional settings, they are expected to demonstrate professional behaviors as defined in the College’s conceptual framework. These professional commitments or dispositions are listed below: Engage in responsible and ethical professional practices

o Contribute to collaborative learning communities

o Demonstrate a commitment to diversity

o Model and nurture intellectual vitality

**Assignments/Quizzes (20 pts)**

1. Paraphrasing/summarizing (5 pts)

2. IRB/IACUC (10 pts)

3. Canvas quizzes (5pts; 1 pts each, 5 total)

**Final project (80 pts):**

**Part 1: Writing a scientific paper (50 pts)**

 a. Come up with a topic (10 pts)

 b. Write a (10 pts) i) purpose, overall goal and overall hypothesis;

 ii) come up with an outline for research design and methods

 iii) write an outline for a literature review

 c. Write a brief literature review (10 pts)

d. Write the human/vertebrate animal subject part of your grant (5 pts)

 e.Write the Specific aims, project narrative and project summary and the title (5 pts)

 f. Develop a budget and a budget justification for your project (10 pts)

**Part 2: Evaluating a scientific paper (10 pts)**

 a. write a primary and secondary review of the scientific papers assigned to you (5 pts)

 b. participate in a study section discussion and write a summary of the discussion to the author of your primary

 paper. (5 pts)

**Part 3: Revising a scientific paper (10 pts)**

 a. Write a response to your reviews and revise your paper. Include a redline version of your paper and a clean

 version of your paper

**Part 4: Final evaluating a scientific paper** **(10 pts)**

 a. write a primary and secondary review of the scientific papers assigned to you (5 pts)

 b. participate in a study section discussion and write a summary of the discussion to the author of your primary

 paper. (5 pts)