**KINE 8970 – Research Mentoring**

**Summer 2014**

**Instructor:** Leah E. Robinson – [ler0004@auburn.edui](mailto:ler0004@auburn.edui)

**Class Meeting Time:** Monday, Wednesday, and Friday 4:00 – 5:15 PM

**Class Location:** MC 2216

**Course Description**

Mentor undergraduate students through the development of a research proposal in one of the exercise science sub-disciplines. The proposal will contain an introduction, review of literature, method, experimental design, and statistical analysis plan. The course will be extremely useful as you prepare dissertation/research program while provide you with hands-on experience in the mentoring of students in academia.

**Prerequisite**

**Textbook**

Article: Choosing a Topic and the research proposal (Evans, 2007) available in canvas.

**Course Objectives**

Upon completion of this course, students will have:

1. overseen the development of a research proposal
2. overseen the development of the research dissemination (poster presentation)
3. hands on experience in mentoring students

**Evaluation and Grading**

The final grade for this course is A (90 – 100 points), B (89 – 80 points), C (79 – 70 points), D (69 – 60 points), and F (below 60). The final grade is determined by:

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| 1. Assignment group final research proposal | 50% (50 points) |
| 1. Assignment group poster presentation | 20% (20 points) |
| 1. Assignment group assignments (submitted on time and have been revised, edited, and approved by you prior to submission).  *It is your responsible to guide your group through the development of each of these assignments You are responsible to meet with your group 2x per week (one time in person and the second in person, via skype, or web). I recommend that you have students submit the materials to you a few days prior to the assignment due date, provide feedback and revisions to them, have you group make the revisions, and resubmit to your for final feedback prior to submission to the instructor.* | 30% (30 points) |

**Class Policy Statements**

The AU General Counsel now maintains a single website that serves as the collection of all University Policies: https://sites.auburn.edu/admin/universitypolicies/default.aspx. However, below are several policies that are specific to this class:

1. **Appropriate Effort** – Assignments are due by their posted deadlines, and evidence of activity should be obvious on a regular basis between deadlines. All assignments must reflect the group’s and each individual’s efforts in fulfilling the class requirements.

2. **Unannounced quizzes** - There are no unannounced quizzes in this course.

3. **Plagiarism Policy** – Proper credit and notation/citation must be given for all source materials.

4. **E-mail** - The University has requested that all students use their Auburn University e-mail accounts. This is the most efficient way for instructors to communicate with an entire class, and the University will occasionally send global notices that are important for all students. I request that you check your AU e-mail account regularly.

5. **Cell Phones** - As a courtesy to others, please turn off your cell phone during class. If you are expecting an emergency call, please let me know at the beginning of class. Also, please do not text–message or tweet during class, or use laptops for anything other than looking at lecture slides, taking notes, and working on the paper and poster.

6. **Extra Credit –** There are **no** extra credit opportunities for this class.

7. **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 Office of Accessibility, but need accommodations, make an appointment with the Office of Accessibility, 1228 Haley Center, 844-2096 (V/TT).

8. **Attendance** – This class will not meet on a regular basis, but you are responsible to meet with your research group.

**Senior Mentors and Research Groups must meet at least 2x per week. Once in person and the second could be either in person or through the internet (Skype, Canvas Conference/Chat). HINT: since all students, PhD and Undergraduate, are free during the assigned class meeting time (MWF 4 – 5:15 PM) that is a great opportunity to meet.**

**ATTENDANCE IS REQUIRED AT ALL SCHEDULED CLASS MEETINGS AND GROUP MEETINGS. IF YOU HAVE TO MISS DUE TO A CONFERENCE / PROFESSIONAL OBLIGATION PLEASE COME AND SEE ME.**

The Research Proposal – see KINE 4780 Syllabus

The PowerPoint Poster Presentation - see KINE 4780 Syllabus  
Helpful Hints - see KINE 4780 Syllabus

**Class Schedule and Assignments  
Submission Deadlines: All Assignments are due via email by 8 PM.**

**Microsoft Word hard copy and electronic copies required for many deadlines unless otherwise specified below.**

**Note: 1: All group members and PhD Mentor must be Copied on ALL e-mails including the turning in of assignments.**

**2: Schedule subject to modification at instructor discretion.**

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| **Week** | **Date** | **In-Class Activities** | **Assignments that Students complete with Mentors** | **Assignments Due to Dr. Robinson** |
|  | 5/16/2014 | **CLASS MEETING** Introduction and orientation to class; the scientific method/format, literature searches, and group dynamics/grading. Scientific writing; use of proper English; humans in research: Rules, regulations, standards, ethics. Search and gather research literature in quest of research topic (Mentors will also assist with this literature searches). | Reading and searching the literature to decide on a topic for the research proposal. | Establish research group members. |
| 1 | 5/19/2014 |  | Continue reading and searching the literature, focusing on a topic for research proposal. |  |
|  | 5/21/2014 |  | Continue reading and searching the literature, focusing on a topic for research proposal.  Begin developing research questions and hypotheses |  |
|  | 5/23/2014 |  | Continue reading and searching the literature, focusing on a topic for research proposal.  Begin developing research questions and hypotheses | Contract of Deliverables signed and submitted (hard copy in mailbox).  Submit 6 research journal references that align with the research topic. |
| 2 | 5/26/2014 – Memorial Day |  |  |  |
|  | 5/28/2014 |  | Develop review notes (mini abstracts) from references that align with research topic.  Continue reading and searching the literature, focusing on a topic for research proposal.  Begin developing research questions and hypotheses |  |
|  | 5/30/2014 |  | Review research literature, develop research question (purpose), and formulate outline for paper. | Submit the tentative title for your paper and review notes  . |
| 3 | 6/2/2014 |  | Continue reading and searching the literature, focusing on a topic for research proposal.  Begin developing research questions and hypotheses | Submit 10 primary references. All references should be typed in your chosen journal format. |
|  | 6/4/2014 |  | Begin writing Review of Literature (Chapter 2) | Submit 10 primary reference s. All references should be typed in your chosen journal format |
|  | 6/6/2014 | CLASS MEETING  Literature Reviews | Continue working on Review of Literature (Chapter 2) | Submit Outline |
| 4 | 6/9/2014 |  | Continue working on Review of Literature (Chapter 2) | Submit statement of purpose, research question(s), hypothesis(es). |
|  | 6/11/2014 |  | Continue working on Review of Literature (Chapter 2) | Submit figures outlining study approach |
|  | 6/13/2014 |  | Continue working on Review of Literature (Chapter 2) | Submit sub-topic outline for Chapter 2 |
| 5 | 6/16/2014 | **CLASS MEETING**  METHODS | Continue working on Review of Literature (Chapter 2) and Begin working on Methods (Chapter 3) |  |
|  | 6/18/2014 | **CLASS MEETING –**  Groups present study design | Continue working on Review of Literature (Chapter 2) and Methods (Chapter 3) | Submit figures for the overall study design |
|  | 6/20/2014 – No Class - MS-I Exam Period |  | Continue working on Review of Literature (Chapter 2) and Methods (Chapter 3) |  |
| 6 | 6/23/2014 |  | Continue working on Methods (Chapter 3) | Draft Copy of Review of Literature (Chapter 2) |
|  | 6/25/2014 |  | Continue working on Methods (Chapter 3) |  |
|  | 6/27/2014 | **CLASS MEETING –**  Groups present Data Collection Procedures | Continue working on Methods (Chapter 3 | Submit figure(s) for data collection |
| 7 | 6/30/2014 | Students will receive Teacher Feedback on Literature Review (Chapter 2) | Continue working on Methods (Chapter 3 |  |
|  | 7/2/2014 |  |  | Draft of Methods (Chapter 3) |
|  | 7/4/2014 – 4th of July |  |  |  |
| 8 | 7/7/2014 | Students will receive Feedback on Methods (Chapter 3) | Begin Working on Introduction (Chapter 1), Drafting Poster and Finalizing Paper |  |
|  | 7/9/2014 | **CLASS MEETING**  Introduction | Continue working on Introduction (Chapter 1), Drafting Poster and Finalizing Paper |  |
|  | 7/11/2014 |  | Continue working on Introduction (Chapter 1), Drafting Poster and Finalizing Paper |  |
| 9 | 7/14/2014 | **CLASS MEETING** | Continue working on Introduction (Chapter 1), Drafting Poster and Finalizing Paper | Draft of Introduction (Chapter 1) |
|  | 7/16/2014 |  | Continue working on Introduction (Chapter 1), Drafting Poster and Finalizing Paper |  |
|  | 7/18/2014 | Feedback on Introduction | Continue working on Introduction (Chapter 1), Drafting Poster and Finalizing Paper |  |
| 10 | 7/21/2014 | **CLASS MEETING** In Class Powerpoint Presentation and Feedback |  |  |
|  | 7/23/2014 | **CLASS MEETING**  In Class Powerpoint Presentation and Feedback |  |  |
|  | 7/25/2014 | Formal Poster Presentation |  | Poster (hard copy) |
| Exam Week | 7/28/2014 |  |  | Final Senior Paper |
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**July 25, 2014 - Poster Presentation in School of Kinesiology**

Final group poster presentation to the School of Kinesiology - tentatively scheduled for 7/25 (Friday) from 9:00-11:00 in the NEW Kinesiology Building atrium . I will keep the hard copy of the posters from the poster presentations.

**July 28, 2014 - Final Senior Paper and Powerpoint presentation (1:00 PM;1 electronic copy; 1 hard copy. They must be identical).** Each group member needs to submit the final Senior Paper to the TK20 system. This process is part of the College of Ed Assessment and is vitally important to evaluating success within Kinesiology.