**Introduction to Exercise Science Research**

**(KINE4760-001) Course Syllabus**

**Spring 2017**

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**Instructor:** Leslie Neidert

**Office:** 233 Kinesiology Building, 301 Wire Rd

**E-mail:** len0009@auburn.edu

**Office Hours:** Due to teaching and research schedule, please attempt to make an appointment. Drop-ins are always welcome, but there are no set hours

**Credit:** 3 credit hours

**Syllabus prepared:** 01/03/17

**Class Schedule:** Student ACT 241; MWF 9-9:50AM

**Course Description:** Research literature, experimental design, and research interpretation in Exercise Science with emphasis on exercise physiology, biomechanics, and motor behavior.

**Objectives:** Upon completion of this course, the student will understand:

a. the general research process, particularly in Exercise Science.

b. the different types of research.

c. the general aspects of data analysis.

d. the essentials of developing a research proposal and writing the resulting report.

**Required Text:** Baumgartner & Hensley. Conducting and Reading Research in Kinesiology, 2013, 5thed.

**Student Evaluation:**

Quizzes (5 points each; 6 total)….…..……..……………..30 points

In Class Activities (17 total)………………………………...50 points

Group Contribution.………………………………………....10 points

Attendance/Participation……………………………………10 points

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**TOTAL for class**.……………………………....……….... 100 points

This syllabus serves as a contract to identify what is required for a given course grade. Each student is welcome to engage in open discussion with the instructor about matters of clarification/alteration.

**Grading Scale:**

A: 90 – 100 points D: 69.99 - 60.0 points

B: 89.99 - 80.0 points F: < 60.00 points

C: 79.99 - 70.0 points

**Attendance Policy:**

***Participation*** Attendance is mandatory as a pre-requisite for participation. Asking thoughtful, content based questions, being involved in the review of material at the beginning of class, and being involved in the discussion/activities during class is strongly encouraged to obtain maximal benefit from the class.

Students that are absent for any excused or unexcused reasons are expected to notify the instructor within 24 hours of missing the class. Failure to do so will result in an automatic deduction of points from the Attendance/Participation portion of the class. If you have a University approved excused absence, please provide the appropriate documentation in a timely manner (no more than 1 class period after you return from the absence). Failure to notify the instructor and provide documentation on time will result in an automatic deduction of points from the Group Contribution and In Class Activity portions of the class.

**In Class Activities:** For each Module, there are one or more In Class Activities that will be completed. Each activity has been assigned 2-4 days for completion in class and is due on Canvas at 11:59pm on the day of the next class period following the last day of in class work. I will assign the groups (up to 4 people) prior to each module. Groups 1-6 will meet on Day 1 of the assignment and Groups 7-12 will meet on Day 2 of the assignment. For assignments that take longer than a class period, two days may be assigned. Please pay attention to all instructions about class meetings. Should your group not complete the assignment during your class time, you will need to complete it outside of class. Only one group member needs to submit the assignment on Canvas.

**Quizzes on Canvas**: You will have quizzes on Canvas prior to the start of each Module in the Course. Please read the instructions for each quiz **VERY CAREFULLY**. Failure to follow instructions may result in a charge of academic dishonesty (Do not copy and paste from online PowerPoint lectures, Google searches, etc). While the in class portion of this class is group work, Online Quizzes are NOT. You must work on your own to complete the quizzes. Failure to do so will result in a charge of academic dishonesty.

You will only get one opportunity per question and per quiz. Computer issues sometimes do occur, so please plan ahead and take the quiz well before the deadline for that week. Failure to take the quiz will result in a zero. If you do have a computer failure (freezing up, down internet connection, etc) you must contact the instructor IMMEDIATELY via e-mail (no more than 2 hours following the deadline). On the next work day, the quiz will be reset to give you another attempt. You will have 24 hours from the time the e-mail is sent to you to complete the exam.

**Group Contribution:** As Group Work can sometimes be unevenly distributed, each group member will be required to grade the other members based on their efforts and contribution for each assignment. These are confidential and will not be seen by or discussed with anyone other than the instructor. Please remember to be fair and professional in your assessments.

**Academic Integrity Policy:** The Auburn University student academic honesty code Title XII ([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. All quizzes, projects and exams must be the work of the individual. Sharing questions or answers is a violation of the academic honesty code.

There is a great deal of writing in this class and I expect strict adherence to appropriate citations and correct paraphrasing (verb and the sentence structure must be changed). All work must be your own.

All projects in the class are your individual work. You may NOT work together in groups or share your answers with others. If you have a question about the assignment, you should address the question to the instructor. Any evidence that work was shared will be considered academic dishonesty and will be reported to the Provost Office.

**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

**University Class Cancellation**: Should the University cancel classes due to weather or other type of emergency, please see Canvas and your auburn e-mail for assignments.

**Tentative Schedule.**

Changes to the schedule will be announced in class and reported on Canvas

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Date** | **Topic** | **Assignment Due** |
| 1/11 | W | Syllabus and General Intro |  |
| 1/13 | F | Understanding Research |  |
| 1/16 | M | **No class MLK day** | Module 1 Quiz Due 1/17 |
| 1/18 | W | **Library skills: Meet at RBD library** | Understanding Research Due |
| 1/20 | F | Literature Search Project Day 1 |  |
| 1/23 | M | Literature Search Project Day 2 |  |
| 1/25 | W | References Day 1 | Literature Search Due |
| 1/27 | F | References Day 2 |  |
| 1/30 | M | In Text Citing Day 1 | References Due |
| 2/1 | W | In Text Citing Day 2 |  |
| 2/3 | F | Paraphrasing Day 1 | In Text Citing Due |
| 2/6 | M | Paraphrasing Day 2 |  |
| 2/8 | W | Evidence Day 1 | Paraphrasing Due |
| 2/10 | F | Evidence Day 2 |  |
| 2/13 | M | Evidence Day 3 | Module 2 Quiz Due 2/14 |
| 2/15 | W | Types of Research Day 1 | Evidence Due |
| 2/17 | F | **No Class Meeting-Leslie at Conference** |  |
| 2/20 | M | Types of Research Day 2 |  |
| 2/22 | W | Types of Research Day 3 |  |
| 2/24 | F | Thematic Day 1 | Types of Research Due |
| 2/27 | M | Thematic Day 2 |  |
| 3/1 | W | Thematic Day 3 |  |
| 3/3 | F | Thematic Day 4 |  |
| 3/6 | M | Knowledge Pipeline Day 1 | Thematic Due |
| 3/8 | W | Knowledge Pipeline Day 2 |  |
| 3/10 | F | **No Class (Built in Extra Day)** | Knowledge Pipeline Due |
| 3/13-3/17 | MWF | **Spring Break** |  |
| 3/20 | M | Sources Day 1 |  |
| 3/22 | W | Sources Day 2 |  |
| 3/24 | F | Sources Day 3 |  |
| 3/27 | M | Sources Day 4 | Module 3 Quiz Due 3/28 |
| 3/29 | W | Ethics Day 1 | Sources Due |
| 3/31 | F | Ethics Day 2 | Module 4 Quiz Due 4/2 |
| 4/3 | M | Validity Day 1 | Ethics Due |
| 4/5 | W | Validity Day 2 |  |
| 4/7 | F | Design a Study Day 1 | Validity Due |
| 4/10 | M | Design a Study Day 2 |  |
| 4/12 | W | Design a Study Day 3 |  |
| 4/14 | F | Design a Study Day 4 | Module 5 Quiz Due 4/16 |
| 4/17 | M | Data Analysis Day 1 | Design a Study Due;  Data Analysis Day 1 Due |
| 4/19 | W | Data Analysis Day 2 | Day 2 Data Analysis Due |
| 4/21 | F | Data Analysis Day 3 | Day 3 Data Analysis Due |
| 4/24 | M | **No Class Meeting- Leslie at Conference** |  |
| 4/26 | W | **No Class Meeting- Leslie at Conference** | Module 6 Quiz Due 4/27 |
| 4/28 | F | Attend KINE 4780 Poster Presentations | Evaluate Paper Due 5/5 |