**Introduction to Exercise Science Research**

**(KINE4760-001) Course Syllabus**

**Spring 2019**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Instructors:** Lola Adeyemo

**Office:** Rm237 Kinesiology Building, 301 Wire Rd

**E-mail:** [aoa0005@auburn.edu](mailto:aoa0005@auburn.edu)

**Office Hours:** By appointment.

**Credit:** 3 credit hours

**Class Schedule:** Student ACT 241; MWF 8:00 – 8:50 am

**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.

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

**Student Evaluation:**

Quizzes (4 total)….…..……..……………….. …… …… …28 percent

Class Activities (17 total)…………………………………...50 percent

Library Assignment …………………………………………2 percent

Group Contribution.………………………………………....10 percent

Attendance/Participation……………………………………10 percent

\_\_\_\_\_\_\_\_

**TOTAL for class**.……………………………....……….... 100 percent

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 may 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 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. *For each unexcused absence on mandatory days, 1 point will be deducted from “Attendance/ Participation” total points*.

**In Class Activities:** For each Module, there are one or more In Class Activities that will be completed. You will have either 2 or 3 weeks to complete all of the assignments for a given module (see schedule below for specifics). The assignments are due on Canvas at 11:59pm the Sunday night before the class period the next module is set to begin. 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. It is due by 7:55 am of the specific class date. 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. Emailing the instructor does not mean that quiz reset will be automatically granted.

***\*\*\*If you have not completed the module quiz, neither you nor your group members will be allowed to enter class until it is completed***

**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.

For each assignment, you will be required to approve the submission within 24 hours after the assignment deadline by writing your initials in the comments box for the assignment in Canvas. If any changes need to be made to the assignment within that time period, please make them and upload to Canvas no later than 24 hours from the first deadline. Do not submit changes without your entire group’s approval, as a 2nd submission will be considered Final. No Exceptions. If you fail to make any changes to the assignment within 24 hours from the assignment deadline, then it will be assumed that you approved of the work submitted.

If a group conflict occurs that cannot be resolved within the group, then see below.

Group conflict resolution

1. The group needs to report (either in-person or through email) the conflict ASAP to the instructors.
2. A meeting should be set up with ALL of the group members and the instructors to mediate a resolution.
3. Possible issues
   1. Uneven contribution by group members
      1. Instructors will review group peer review documents for each assignment
      2. The member or members that are not contributing with be encouraged to increase their contribution
      3. The group will check in with the instructor at least 5 days in the summer or 10 days in the Fall or Spring before the module is due.
      4. If the member or members are still perceived as under-performing, then all the group members will confidentially submit to the instructors the percent contribution of the member or members that are perceived as underperforming. This percentage will be used to determine the individual or individuals grade on the project.
   2. Desire to be removed from a group or to change to another group
      1. This will be strongly discouraged since part of the focus of this class is working effectively with others. However, if the group has worked through remediation at least once, then the instructors will consider this on a case by case basis.
   3. You can change groups without mediation before the second module is started. A notification of the change in group must be submitted by email to the instructors before the second module is started with approval from all new group members (please cc all new group members).

**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.

If you have a question about the assignment, you should address the question to the instructor.

**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

\*\*Check University email often for announcements, reminders, and additional information from instructor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Month** | **Date** | **Topic** | **Assignment Due** |
| Wednesday | January | 9 | Syllabus and General Introduction |  |
| Friday |  |  |  |  |
| Monday | January | 14 | Library skills: Meet at RBD library lobby |  |
| Wednesday | January | 16 | Module 1 | \*\***Module 1 Quiz Due** |
|  |  |  |  | **Module 1 “Understanding Research” due Sunday 01/20 11:59 pm** |
| Monday | January | 21 | MLK Jr. Day – NO CLASS |  |
| Wednesday | January | 23 | Module 1 |  |
|  |  |  |  | **Module 1 “Literature Search” due Sunday 01/27 11:59 pm** |
| Monday | January | 28 | Module 1 |  |
| Wednesday | January | 30 | Module 1  \*\*Last day to drop from course with no grade assignment. |  |
|  |  |  |  | **Module 1 “In-text Citation” and “Paraphrasing & Summarizing” due Sunday 02/03 11:59 pm** |
| Monday | February | 4 | Module 1 |  |
| Wednesday | February | 6 | Module 1 |  |
|  |  |  |  | **Remaining 2 Module 1 Assignments due Sunday 02/10 11:59 pm** |
| Monday | February | 11 | Module 2 | \*\***Module 2 Quiz Due** |
| Wednesday | February | 13 | Module 2 |  |
|  |  |  |  | **Module 2 “Thematic Research” due Sunday 02/17 11:59 pm** |
| Monday | February | 18 | Module 2 |  |
| Wednesday | February | 20 | Module 2 |  |
|  |  |  |  | **Module 2 “Identifying Types of Research” due Sunday 02/24 11:59 pm** |
| Monday | February | 25 | Module 2 |  |
| Wednesday | February | 27 | Module 2  \*\*Middle of Semester |  |
|  |  |  |  | **Module 2 “Knowledge Pipeline” due Sunday 03/03 11:59 pm** |
| Monday | March | 4 | Module 3 | \*\***Module 3 Quiz Due** |
| Wednesday | March | 6 | Module 3 |  |
| Monday | March | 11 | Spring Break – NO CLASS |  |
| Wednesday | March | 13 | Spring Break – NO CLASS |  |
| Monday | March | 18 | Class meeting |  |
|  |  |  |  |  |
| Wednesday | March | 20 | Module 3 |  |
|  |  |  |  | **Module 3 Assignments due Sunday 03/24 11:59 pm** |
| Monday | March | 25 | Module 4 | \*\***Module 4 Quiz Due** |
| Wednesday | March | 27 | Module 4  *\*\* March 29th is* Last day to withdraw from course with no grade penalty. "W" assigned. |  |
| Monday | April | 1 | Module 4 |  |
| Wednesday | April | 3 | Module 4 |  |
|  |  |  |  | **Module 4 Assignments due Sunday 04/07 11:59 pm** |
| Monday | April | 8 | Module 5- Research Writing Question 1 |  |
| Wednesday | April | 10 | Module 5- Research Writing Question 1 |  |
| **Friday** | **April** | **12** | **Class Meeting** |  |
| Monday | April | 15 | Module 5- Research Writing Question 1 |  |
| Wednesday | April | 17 | Class meeting | **Question 1 Assignment due Wednesday 04/17 11:59 pm** |
| Monday | April | 22 | NO MEETING |  |
| Wednesday | April | 24 | Module 5- Research Writing Question 2 |  |
| **Friday** | **April** | **26** | **Module 5- Research Writing Question 2** |  |
|  |  |  |  |  |
| Monday | April | 29 | Exam Week |  |
| Wednesday | May | 1 | Exam Week |  |
| Friday | May | 3 | Exam Week | **Question 2 Assignment due Friday 05/03 11:59 pm**  \*\**Cannot Resubmit* |
|  |  |  |  |  |