

Spring 2018
APK4050-Section 1A41
Research Methods

Instructor: Dr. Demetra Christou
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Office: FLG 120
Phone: 352-294-1715
Office Hours: F 5 to 6 pm
& by appointment

Class Times and Location: MWF Period 9 (4:05 to 4:55 pm) 260 FLG

Course description:

This course is designed to provide an overview of basic research methods and statistical analysis techniques used in applied physiology and kinesiology. Students will develop basic skills related to critically reading, interpreting, summarizing, critiquing, and presenting published research articles and designing research studies.

Course objectives:

By the end of this course, students will be able to:

- Discuss issues related to research ethics and responsible conduct of human and animal research
- Obtain a clear understanding of the process related to manuscript writing/submission/review/publication, authorship and journal impact factors
- Conduct a literature search and manage references
- Critique/present primary research articles
- Formulate a research question/hypothesis
- Design a research study to address the question
- Choose appropriate statistical tools to analyze data
- Create a slide presentation using PowerPoint

Required textbook and class materials:

Research Methods in Kinesiology and the Health Sciences by Susan Hall and Nancy Getchell. ISBN-13:978-0-7817-9774-0

Class materials will also include PowerPoint slides, research articles, and other online resources. These materials will be made available on CANVAS. You are responsible for reading all assigned materials.

Grading

Quizzes	45%
Assignments	20%
Participation	20%
Presentation/critique of research article	15%

Quizzes: There will be 9 quizzes in this course and are scheduled on Fridays during normal class meetings.

Assignments: You will be given *in class* and *online* assignments throughout the semester. Please complete them on time. No late assignments will be accepted.

Participation: You are expected to attend class and contribute to in-class group assignments and discussion to receive full participation points.

Critique of research article: You will be assigned an article to critique as a group; detailed instructions will be provided at a later date. Group composition and article assignment will be posted on CANVAS. All students are expected to read and critique the article and participate in the discussion.

Grading scale: The following grading scale will be used in this course. For more detailed information on current UF grading policies, please see the undergraduate catalog: www.registrar.ufl.edu/catalog/policies/regulationgrades

Letter Grade	Percent of Total Points
A	90-100%
B+	86-89%
B	80-85%
C+	76-79%
C	70-75%
D+	66-69%
D	60-65%
E	0-59%

Course Policies

Requirements for class attendance and make-up exams in this course are consistent with university policies that can be found in the online catalog: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>. University counseling services can be found at <http://www.counseling.ufl.edu/cwc/Default.aspx>.

Attendance: Students are expected to attend class and to actively participate in the discussions. Please note: the University has specific reasons that are acceptable for missing class which apply to both undergrad and grad students. You can find this at <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Make-up quizzes: Unexcused absences on quiz days will result in a zero on the quiz. If you are ill or have an emergency that prevents you from taking the quiz at the scheduled time, it is your responsibility to contact the instructor as soon as possible to try and schedule a make-up quiz. Documentation of the illness or emergency will be required. Any make-up quiz will be at the discretion of the instructor. Scheduling make-up quizzes is the responsibility of the student and should be done—if at all possible—*before* the scheduled exam.

Accommodations: Students requesting classroom accommodations must first register with the Dean of Students Office-Disability Resource Center. The Dean of Students Office will provide documentation to the student who must then present this documentation to the instructor when requesting accommodation. For optimal consideration, you must see the professor within the first three days of class.

Technology: Please bring your laptop, tablet or smart phone to class, especially on Fridays. However, surfing the web, checking your email, making Facebook posts, or anything of that nature is unacceptable and strictly prohibited. Please keep your cell phone on silent. Any cell phone or other electronic device used during a quiz will be considered a violation of the student honor code (i.e., cheating) and will result in a zero for that quiz.

Communication: The best way to contact your course instructor is by email (ddchristou@ufl.edu). You are responsible for checking course postings on eLearning (CANVAS). All course grades will be posted on eLearning (CANVAS). Any discrepancies should be pointed out to the instructor as soon as possible, and before the last day of class.

Academic Honesty: On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."* Any student found violating this honor code will receive a zero for that exam or assignment and may be assigned other educational sanctions at the instructor's discretion.

Evaluations: Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu>.

Counseling and Wellness Center: Contact information for the Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/Default.aspx> 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies

Tentative Lecture Schedule*

*Quiz dates are subject to change.

Week	Date	Lecture Topic
1	M – Jan 8	Course overview
	W – Jan 10	Lecture
	F – Jan 12	Quiz 1 , group discussion and applications
2	M – Jan 15	HOLIDAY – NO CLASS
	W – Jan 17	Lecture
	F – Jan 19	Lecture
3	M – Jan 22	Lecture
	W – Jan 24	Lecture
	F – Jan 26	Quiz 2 , group discussion and applications
4	M – Jan 29	Lecture
	W – Jan 31	Complete online training- no class
	F – Feb 2	Complete online training- no class
5	M – Feb 5	Complete online training- no class
	W – Feb 7	Lecture
	F – Feb 9	Quiz 3 , group discussion and applications
6	M – Feb 12	Lecture
	W – Feb 14	Lecture
	F – Feb 16	Quiz 4 , group discussion and applications
7	M – Feb 19	Lecture
	W – Feb 21	Lecture
	F – Feb 23	Quiz 5 , group discussion and applications
8	M – Feb 26	Lecture
	W – Feb 28	Lecture
	F – Mar 2	Quiz 6 , group discussion and applications
9	M – Mar 5	Spring Break - NO CLASS
	W – Mar 7	Spring Break - NO CLASS
	F – Mar 9	Spring Break - NO CLASS
10	M – Mar 12	Lecture
	W – Mar 14	Lecture
	F – Mar 16	Quiz 7 , group discussion and applications
11	M – Mar 19	Lecture
	W – Mar 21	Lecture
	F – Mar 23	Quiz 8 , group discussion and applications
12	M – Mar 26	Lecture
	W – Mar 28	Lecture
	F – Mar 30	Quiz 9 , group discussion and applications
13	M – Apr 2	Lecture
	W – Apr 4	Lecture
	F – Apr 6	Finalize group presentations
14	M – Apr 9	Presentations
	W – Apr 11	Presentations
	F – Apr 13	Finalize group presentations
15	M – Apr 16	Presentations
	W – Apr 18	Presentations
	F – Apr 20	Presentations
16	M – Apr 23	Complete online workshop- no class
	W – Apr 25	Complete online workshop- no class