

PHYSIOLOGY OF EXERCISE AND TRAINING

PET 5936 (COURSE #18363) 3 HRS CREDIT ~ SPRING 2021

Updated: January 2, 2021

INSTRUCTOR:

Scott K. Powers

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Office Phone: 352-294-1713

Email: spowers@hnp.ufl.edu

Preferred Method of Contact: email

OFFICE HOURS: Tuesday: 4-6PM (virtual-zoom)

Other hours by appointment.

MEETING TIME/LOCATION: FLG 220, Tuesday, 3-6PM (8-10 periods)

COURSE DESCRIPTION: This is an introductory course in grant writing that is targeted for graduate students and clinician-scientists preparing for research careers. This course will focus on the fundamental components of a research grant using both lecture material and suggested readings. During this course, each student will write an “experimental” grant using an NIH R21 format. The course will conclude with the formation of “peer-review study sections” to review the grant proposals written by class members.

PREREQUISITE KNOWLEDGE AND SKILLS: Trainee with interest in research and grant writing.

REQUIRED AND RECOMMENDED MATERIALS: No textbook required-
powerpoint lectures will be posted on canvas.

Recommended reading includes:

COURSE FORMAT: This course will meet one time per week for an informal lecture/discussion. Additional video lectures will be posted on canvas. Questions are encouraged at any time during the lecture.

COURSE LEARNING OBJECTIVES: Following completion of this course, you should be able to do the following:

COURSE AND UNIVERSITY POLICIES:

ATTENDANCE POLICY: **Class attendance is not mandatory and there are no points associated with attendance.** However, missing class will likely have a negative impact on learning and therefore, could negatively influence your exam scores and final grade in the course.

COMMUNICATION WITH INSTRUCTOR: The best way to communicate with your instructor is face-to-face before or after class. Outside of class, please contact your instructor by email (spowers@hhp.ufl.edu) to schedule a time to meet. Please do not use the email address in e-learning. You are responsible for checking course postings on eLearning (CANVAS).

PERSONAL CONDUCT POLICY: Students are expected to exhibit behaviors that reflect highly upon themselves and our University. Moreover, students are expected to join the lecture on time but tardiness is acceptable when personal conflicts require the student to enter the zoom lecture later than the scheduled time.

Laptop computers and tablet devices for note taking are welcome for use during the course. Upon entry into the virtual lecture, **please silence your cell phone**, or mute your microphone.

Failure to adhere to the UF Honor Code will result in disciplinary action by the university. UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. 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." The Honor Code

(<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obliged to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult the instructor or TA in this class.

EXAM MAKE-UP POLICY: Make-up exams will be available for students that cannot take exams during the assigned period due to health problems or an emergency. Documentation of the illness or emergency will be required. Please contact instructor in advance for approval of make-up exams. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.”

ACCOMMODATING STUDENTS WITH DISABILITIES: Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting their Get Started page at <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

COURSE EVALUATIONS: Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

COVID-RELATED: For face-to-face courses a statement informing students of COVID related practices such as:

- We will have face-to-face instructional sessions to accomplish the student learning objectives of this course. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.
- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals)

requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.

- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).
- Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. [Find more information in the university attendance policies](#).

PRIVACY: For online course with recorded materials a statement informing students of privacy related issues such as:

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

GETTING HELP:

Students requiring assistance with health and/or wellness or students seeking academic help can use the following sources:

Health and Wellness

- U Matter, We Care: If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575
- Counseling and Wellness Center: <https://counseling.ufl.edu/>, 352-392-1575
- Sexual Assault Recovery Services (SARS) - Student Health Care Center, 392-1161

- University Police Department, 392-1111 (or 9-1-1 for emergencies)
<http://www.police.ufl.edu/>

Academic Resources

- E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>
- Career Connections Center, Reitz Union, 392-1601. Career assistance and counseling. <https://career.ufl.edu/>
- Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.
- Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <http://teachingcenter.ufl.edu/>
- Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <http://writing.ufl.edu/writing-studio/>
- Student Complaints On-Campus: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/> On-Line Students Complaints: <http://distance.ufl.edu/student-complaint-process/>

INCLUSION, DIVERSITY, EQUITY, AND ACCESSIBILITY RESOURCES

For suggestions or concerns related to IDEA, please reach out to any of the following:

- Dr. Leo Ferreira, APK IDEA Liaison, ferreira@hnp.ufl.edu
- Dr. Rachael Seidler, APK Graduate Coordinator, rachaelseidler@ufl.edu
- Dr. Joslyn Ahlgren, APK Undergraduate Coordinator, jahlgren@ufl.edu
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GRADING:

Grading policy: The following list provides the point-accruing components of the course. The total points earned from each grading component will be summed and will comprise the total points earned in the course. The course grading scale is also provided for reference.

Grading components:

Grant proposal = 40 pts

Preparation of NIH CV = 10 points

Written exam = 20 points

Participation in grant review study section = 10 pts

Written reviews completed for two assigned grants = 20

Total points = 100

Grading Scale:

A = 95 or above pts

A- = 90-94.99 pts

B+ = 86-89.99 pts

B = 83-85.99 pts

B- = 80-82.99 pts

C+ = 76-79.99 pts

C = 73-75.99 pts

C- = 70-72.99 pts

D+ = 66-69.99 pts

D = 63-65.99 pts

D- = 60-62.99 pts

E = 59.99-0

Grades will be assigned based on points earned in the course. The relative point value of the four examinations and four quizzes are as follows:

WEEKLY COURSE SCHEDULE:

Tentative Exercise Physiology-Spring 2021 lecture schedule*

*Note that the lecture schedule is subject to change. Changes will be announced in class and online during the e-Learning website.

January-March

Date	Topic
1/12	Course introduction and lecture: Why grant writing skills are important Recorded lecture-Sources and types of research grants (canvas)
1/19	Applying for NIH grants-NIH organization and grant application process;
1/26	1) Grant budgets and preparation of your NIH CV; 2) Key components of an NIH research grant (part 1);
2/2	1) Key components of an NIH research grant (part 2); 2) Grant writing-how do I get started?; and 3) Common mistakes in preparing grants;
2/9	1) Flawless packaging – Grant writing skills or “how to sell your grant to a reviewer! ; and 2) Effective scientific writing is key to a fundable proposal
2/16	1) Grant review process and scoring; and 2) Selection of NIH study sections and institutes for your application;
2/23	1) Polishing grant writing skills -where the rubber meets the road! And 2) Responding to reviewers comments-grant revision and resubmission
3/2	Exam
3/9	Abstracts due on this date-please bring 8 copies of your abstract to class-include grant title and your name at top of abstract-class will read and score abstracts according to ability to review
3/16	1) The art of reviewing a grant and writing a critique; 2) Review of study section operation.
3/23	*Grants due on this date -please bring complete 1(paper) copy and pdf electronic copy to class
3/30	No class-Release time to review grants
4/6	Study section 1 meets
4/13	Study section 2 meets
4/20	Study section 3 meets