UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE SYLLABUS
NEUROSCIENCE
GMS 5905 (1 credit)
Spring: 2021
Online (discuss with Instructor if in-person is needed)

Instructor Name: Drs. Jada Lewis and Harry Nick
Room Number: online
Phone Number: 352-273-9666
Email Address: jada.lewis@ufl.edu; hnick@ufl.edu
Office Hours: BMS J485, Friday, 3-5pm
Graduate Assistant: none
Preferred Course Communications: email
Prerequisites *must be in second year of UF BMS Neuroscience Ph.D. program, others by approval of instructors*

Purpose and Outcome: The purpose of this course is to teach students the basics of communicating science to funding agencies. The outcome is that students will produce a good draft of an R01 grant per NIH style.

Course Overview: This course is meant to provide the fundamentals of grant writing per NIH style. Communication of science to funding agencies is a skill that is required to excel in academic science and we will instruct the students one standard approaches to this type of communication.

Relation to Program Outcomes: *The program aims to prepare the students for a career in neuroscience. Many paths to a career in neuroscience require the ability to communicate research or educational goals and approaches via written communication and this class introduces this approach to the students.*

Course Objectives and/or Goals: The students will perform NIH reporter searches, develop a strategy to determine which research is being funded in their field, design research experiments that are rigorous and reproducible, formulate the basic components of an NIH grant, and evaluate peer research communication

Instructional Methods: This class will be a mixture of instructor-led didactics, in class and homework evaluations of peer research and classroom, interactive discussions.

What is expected of you?

You are expected to actively engage in the course throughout the semester. You must come to class prepared by completing all out-of-class assignments. This preparation gives you the knowledge or practice needed to engage in higher levels of learning during the live class sessions. If you are not prepared for the face-to-face sessions, you may struggle to keep pace with the activities occurring in the live sessions, and it is unlikely that you will reach the higher learning goals of the course. Similarly, you are expected to actively participate in the live class. Your participation fosters a rich course experience for you and your peers that facilitates overall mastery of the course objectives.

Description of Course Content:

Topical Outline/Course Schedule

Week	Date(s)	Topic(s)	Out of Class assignments
1	1/13/21	Introduction to NIH reporter; Biosketch	biosketch
2	1/20/21	Aims page	aims
3	1/27/21	Abstract, project narrative	project narrative
4	2/3/21	Rationale Significance and innovation	abstract
5	2/10/21	Preliminary data	1 piece of data
6	2/17/21	Research plan Aim 1	2 paragraphs of Aim 1
7	2/24/21	*In class peer review of Aim 1*	finish aim 1
8	3/3/21	Rigor and reproducibility (stats, power), pitfalls	improve aim 1
9	3/10/21	*in class critique discussion*	write aim 2
10	3/17/21	Participation in brain awareness week	
11	3/24/21	Study section tutorial	review 1 grant
12	3/31/21	*study section* Day 1	(students all serve as reviewer 3)
13	4/7/21	*study section* Day 2	(students all serve as reviewer 3)
14	4/14/21	Revision and introduction to revised grant	Introduction
15	4/21/21	Various other sections	

Course Materials and Technology: none

For technical support for this class, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- UF eLearning

Academic Requirements and Grading:

Assignments: A completed draft of an R01

Grading:

Requirement	Due date	Points or % of final grade (% must sum to 100%)
In class peer review of at least 1 grant	3/31/2021	50
Complete draft of R01 grant– a completed draft will include each section discussed within the class and a minimum of 4 pages, 11pt, single space, margins 0.5 inches	4/21/21	50

Point system used: 100=S, 0=U

More information on UF grading policy may be found at:

http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#grades

Exam Policy: *There will be no final exam. Course is based entirely on assignments*

Policy Related to Make up Exams or Other Work: There is no alternative to the final grant draft assignment. An in class peer review can be made up through a written evaluation of 2 peer grants by the final class.

Please note: Any requests for make-ups due to technical issues MUST be accompanied by the UF Computing help desk (http://helpdesk.ufl.edu/) correspondence. You MUST e-mail me within 24 hours of the technical difficulty if you wish to request a make-up.

Policy Related to Required Class Attendance: Failure to attend the first two classes will result in a student being dropped. Attendance for week 12 and 13 are required unless valid excuse and arrangement for makeup prior to start of class. Valid excuses include illness, serious family emergencies, military obligation, severe weather conditions, religious holidays, and participation in official university activities such as conferences, and court-imposed legal obligations. Other reasons also may be approved.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

Excused absences must be consistent with university policies in the Graduate Catalog (http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#attendance). Additional information can be found here:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

Student Expectations, Roles, and Opportunities for Input:

Expectations Regarding Course Behavior: No recording is allowed unless previously approved by instructor. Students are expected to arrive on time and prepared for the day's instruction. Students are expected to be courteous to instructors and peers. We strongly encourage cameras to be on during class and they are required during in class peer evaluation. Student can request an accommodation via email. Course material and peer grants should not be shared with individuals not enrolled in the course.

Communication Guidelines: *No specific instructions.*

Academic Integrity:

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

 "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit 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."

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:
https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/
http://gradschool.ufl.edu/students/introduction.html
Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

Online Faculty Course Evaluation Process:
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/.

Support Services:

Accommodations for 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 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. The College is committed to providing reasonable accommodations to assist students in their coursework.

Counseling and Student Health:

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: http://www.counseling.ufl.edu. On line and in person assistance is available.

- You Matter We Care website: http://www.umatter.ufl.edu/. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.

- The Student Health Care Center at UF Health is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at UF Health offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: https://shcc.ufl.edu/

- UF Health Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road,Gainesville, FL 32698, ufhealth.org/emergency-room-trauma-center.

- University Police Department: Visit police.ufl.edu/ or call 352-392-1111 (or 9-1-1 for emergencies).

- Crisis intervention is always available 24/7 from:

  Alachua County Crisis Center:
  (352) 264-6789
  http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx

Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

Academic Resources

E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services career.ufl.edu/.

Library Support: cms.uflib.ufl.edu/ ask various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center: Broward Hall 352-392-2010 or to make an appointment 352 392-6420. General study skills and tutoring. teachingcenter.ufl.edu/

Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers. writing.ufl.edu/writing-studio/

Student Complaints On-Campus: sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/

On-Line Students Complaints: distance.ufl.edu/student-complaint-process