Course Number and Title: LEI 4912, TRSM Supervised Research

Purpose and Description: The primary purpose of this course is to provide the student an opportunity for involvement in supervised research experiences. “Research” is operationally defined here as mentored, but self-directed work that enables individual students or a small group of students to explore an issue of interest to them and to communicate the results to others. Projects may involve inquiry, design, investigation, discovery, or application, depending on the topic and mentor. The student will be aware of how her or his project fits into and contributes to solving the larger problem to which it belongs. The student will usually assist a faculty member with a research project by helping to prepare the study and contributing in a meaningful way in meeting the objectives of the study. The student may also work with graduate students who are performing research supervised by a research faculty member. All students pursuing a research project in UF’s Department of TRSM must enroll in LEI 4912.

Pre-requisites and Co-requisites: None

Instructor Information: Name, Office location, Telephone number, Email address
- Office hours: Day(s), time(s)

Graduate or Post-doctoral Student Research Mentor (where applicable): Name, Office location, Telephone number, Email address

Course Website: The College of Health and Human Performance will maintain a Canvas web site for all students enrolled in undergraduate research. This web site will house information related to safety, ethics in research, basic laboratory methods and tips, and best practices in recording and keeping data. Please consult with your faculty advisor for the web address.

Course Objectives: After completion of this course, the student will have met one or more of the following objectives:
- Demonstrated aptitude in searching the scientific literature
- Taken proper safety precautions in the laboratory, if relevant, to the project
- Properly kept an accurate record of research performed
- Demonstrated how to approach a research problem and develop appropriate methodology to answer scientific questions
- Written a research report
- Worked in a team environment, if relevant to the project
- Demonstrated responsible and ethical conduct of research

The student will fully participate in the research process with a desirable outcome of a final written report that synthesizes research activities undertaken during the semester. A brief oral presentation may also be required depending on the faculty mentor’s policies for students involved with supervised research.
Textbooks/Required Materials:

There is no required text in this course. If appropriate to the project, students are required to purchase a laboratory notebook and are encouraged to consult with their research advisor for recommendations on the style of notebook to use. Students should also ask their research advisor whether it is necessary to own a laptop computer, or other technology to perform their project tasks.

Recommended readings include the following:


Attendance Policy:

Students conducting undergraduate research are expected to exercise autonomy in their work, and to complete tasks with relatively little direct oversight from their research advisor. The student should dedicate a minimum number of hours on their project that is consistent with the total credit hours sought for the experience. Besides the minimum expectations outlined in the Assessment section of the syllabus, the faculty advisor may have additional expectations for participation (attendance at group meetings, individual meetings, etc.).

The Undergraduate Research course is taken for variable credits depending on the length and intensity of research involvement, which is agreed upon by the student and faculty mentor prior to registration. Options for registration, considering credit hours earned and expected workload follow:

0 Credit Hours: Students can enroll in this course for 0 credit hours. The 0 credit option would be appropriate for students who are approaching a maximum number of credit hours toward their degree or who are unable to cover the cost of tuition for these credits. Students registering for 0 credit hours should carefully discuss (with their faculty advisor) the time expectations for completion of the requirements of the class. The expectations should be clearly articulated on the Undergraduate Research Form (attached).

I understand that by registering for this course at zero (0) credits I may be assessed a tuition fee for 1 credit if I am not registered for any additional coursework during the requested term. Please see an academic advisor if you have any questions or concerns.
1-3 Credit Hours: Students are expected to devote an equivalent of three hours a week of work for each credit in which they are enrolled. Students can enroll in a total of 12 credit hours of this course during their undergraduate study at UF.

Students registering for 0 credit hours should carefully discuss (with their faculty advisor) the time expectations for completion of the requirements of the class. The expectations should be clearly articulated on the Undergraduate Research Form (attached).

Policies for allowable absences and make-up work follow the university attendance policies: https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx.

Assessment:

45% Degree to which students meet expectations. Expectations are to be established by the faculty advisor and student prior to the student’s enrollment in the research course. The agreed-upon expectations will be reflected on the Undergraduate Research Form signed by both the student and faculty advisor prior to the student’s enrollment in the course. The following are minimum expectations for every student enrolled for credit: i.) perform a background literature search and review, ii.) perform experimental work or applied work that involves collection and/or manipulation of data, iv.) develop a research report. All four of these minimum expectations as well as additional expectations (e.g., attendance at departmental and/or College research seminars, participation in research group meetings) are to be clearly established and articulated to the student by the research advisor prior to commencement of the research project.

50% Quality of the final report and oral presentation (as required). The faculty advisor will provide clear expectations of the desired format, content, and deadlines of the final report. Faculty advisors will grade the final report.

5% Attendance and meetings as determined by the faculty advisor.


A final grade of satisfactory (S) or unsatisfactory (U) will be assigned for this course. The student will not receive a letter grade. A grade of S will be assigned if the student achieves at least 70% of the available points by the end of the semester. For more information on grades and grading policies, please visit:

http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html
To provide the students a measure of performance mid-semester, the faculty advisor is expected to complete a mid-term evaluation of the student, accompanied by recommendations for improvement for the remainder of the term. The mid-term evaluation of the student should be accompanied by a one-on-one meeting between the faculty advisor and the student.

**Absences and Make-up Work:**

Requirements for attendance as clearly established and articulated by the research advisor are consistent with university policies that can be found at the following web site: [https://catalog.ufl.edu/ugrad/current/regualtions/info/attendance.aspx](https://catalog.ufl.edu/ugrad/current/regualtions/info/attendance.aspx).

**University Support Services:**

Besides the departmental advising office, resources available on campus to help students meet academic and professional goals and address personal challenges, include the following:

- UF Center for Undergraduate Research, [http://cur_aa.ufl.edu](http://cur_aa.ufl.edu)
- Career Resource Center, Reitz Union, [http://crc.ufl.edu](http://crc.ufl.edu), 352-392-1601
- Student Mental Health, Student Health Care Center, 280 Fletcher Drive, [http://www.shcc.ufl.edu](http://www.shcc.ufl.edu), 352-392-1171
- U Matter, We Care Web Site, [http://www.umatter.ufl.edu/](http://www.umatter.ufl.edu/), 352-294-CARE
- UF Counseling and Wellness Center, [http://www.counsel.ufl.edu/](http://www.counsel.ufl.edu/), 3190 Radio Road, Annex in Peabody Hall, 352-392-1575

**Honesty Policy:**

All students registered at the University of Florida have agreed to comply with the following statement:

“I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University.”

In addition, the following pledge is either required or implied on all work submitted for credit:

“On my honor I have neither given nor received unauthorized aid in doing this assignment.”

Because of the self-guided nature of the research endeavor, the research student must take measures to ensure that she or he follows the highest ethical behavior, especially regarding collecting, recording, and reporting of data. If you have any questions regarding ethical conduct in your research, first consult your research advisor. If you witness any instances of academic dishonesty in this class, please notify the instructor or contact the Student Honor Court (392-1631) or Cheating Hotline (392-6999). For additional information on Academic Honesty, please refer to the University of Florida Academic Honesty Guidelines at: [http://www.dso.ufl.edu/judicial/procedures/academicguide.html](http://www.dso.ufl.edu/judicial/procedures/academicguide.html).
Accommodation for Students with Disabilities:

Students who will require an accommodation for a disability must contact the Dean of Students Office of Disability Resources in Peabody 202 (phone: 352-392-1261). Additional information is available at the University of Florida Disability Resources website: http://www.dso.ufl.edu/drp/services/. In keeping with UF policy, the student, not the instructor, is responsible for arranging accommodations when needed. Once notification is complete, the Office of Disability Resources will work with the instructor to accommodate the student.