Introduction to Research I (IDS 1911)
L.E.A.R.N.™ Program - Fall 2017
Thursdays, 11:30AM-1:20PM
Hercules Programming Center

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Office Hours: By appointment and Tuesdays 2PM-4PM

Course Description:
This one-credit course will introduce L.E.A.R.N. students to academic research and prepare them for engagement in undergraduate research as first-year UCF students in Science, Technology, Engineering, and Mathematics (STEM) disciplines. Additionally, the course will assist students in developing and applying strategies for success to appropriately adjust and succeed to the rigorous expectations of college and the academic research culture. There are two parts to the sequence of classes, Introduction to Research I (fall, one credit) are regularly scheduled <u>class</u> meetings and Introduction to Research II (spring, two credits) will have the regularly scheduled class meetings and three-hour weekly research <u>apprenticeship</u> sessions for twelve weeks. The research apprenticeship will begin in the spring semester.

Course Requirements:
Attendance to both the scheduled class and the apprenticeship is <u>mandatory</u>. IDS 1191 is the foundational class of the L.E.A.R.N. program. Students have to participate in and pass this course (C or higher) in order to move into Introduction to Research II in the spring 2018 term (2 credits), receive the L.E.A.R.N. scholarship, and continue their participation in the L.E.A.R.N. program.

Course Objectives:
<u>At the end of IDS 1911 students will be able to</u>
- Learn how to maximize learning by reflecting on their transition
- Explore the definition of research across multiple disciplines
- Learn about research in a wide variety of STEM disciplines
- Highlight the basic expectations and requirements of the undergraduate researcher when conducting research with a faculty mentor or in a professional environment
- Discuss and apply research-based success strategies and skills to daily practices as a college student and undergraduate researcher
- Find information sources and determine the differences between primary and secondary literature
- Find literature related and relevant to your research apprenticeship
- Recognize and develop ideas for a research proposal
- Gain knowledge of the opportunities available to undergraduate researchers throughout their career at UCF

	Date	Topic	Assignments
Week #1	August 24	Introduction to STEM Academic Research	<u>Homework (HW) #1</u>: L.E.A.R.N. Quiz (*due 8/25/2017 by 11:59PM*) <u>Class #1</u>: What is Research?
Week #2	August 31	IDP Check-In – Students sign up for 30 minute timeslot *University closes at 1PM for home football game*	<u>HW #2</u>: Laboratory Safety Modules & CITI Training (*due 9/19/2017 by 11:59PM*) <u>Discussion Post (DP) #1</u>: Online Discussion A (*due 9/12/2017 by 11:59PM*)

Week #3	September 7	What is Academic Research? – Part II Hands On Activity	HW #3: Laboratory Safety Practical (*due 10/3/2017 by 11:59PM*) HW #4: Moving into Discipline Specific Research and Recognizing a Research Study (Obojobo) (*due 11/28/2017 by 11:59PM*)
Week #4	September 14	Working with Faculty/Graduate Students & Laboratory Etiquette	DP #2: Online Discussion B (*9/19/2017 by 11:59PM*)
Week #5	September 21	Information Fluency Part I - Dissecting a Research Article and Reading Primary & Secondary Literature	Class #2: Dissecting a Research Article HW #5: Research Summaries 1 and 2 (*due 10/3/2017 by 11:59PM*)
Week #6	September 28	Scientific Writing: Ethics, Plagiarism, misuse of sources, and APA formatting	HW #4: Avoiding Plagiarism Module and Conducting a Literature Review (Obojobo) (*due 11/28/2017 by 11:59PM*) DP #3: Online Discussion C (*due 10/3/2017 by 11:59PM*)
Week #7	October 5	Research Laboratory Tours *Meet at the Reflection Pond*	HW #6: Research Paper Summary 3 (*due 10/10/2017 by 11:59PM*)
Week #8	October 12	Information Fluency Part II – Writing as a Researcher	HW #6: Research Synthesis (*due by 10/24/2017 by 11:59PM*)
Week #9	October 19	Information Fluency Part III – Finding Literature and Using Library Resources *Meet at the library*	Class #3: Library Scavenger Hunt
Week #10	October 26	Creating a Research Portfolio - Resumes, Cover Letters, and Personal Statements	DP #4: Online Discussion D (*due by 11/7/2017 by 11:59PM*)
Week #11	November 2	Preparing Today for Tomorrow: Summer Programs, UCF Programs, Internships, and Your Apprenticeship *Bring laptops to class*	Class #4: Identify Summer Internship/Research Program HW #7: Submit LinkedIn Profile, Resume/Cover Letter Draft (*due 11/7/2017 by 11:59PM*)
Week #12	November 9	How to be a Good Research Mentee & Apprenticeship Assignment	DP #5: Online Discussion E (*due 11/14/2017 by 11:59PM*) HW #8: Mentor Biography and Email GRM (cc: learn@ucf.edu) (*due by 11/14/2017 by 11:59PM*)
Week #13	November 16	Graduate Research Mentor Meet & Greet	HW #9: Submit Fall Individual Development Plan (*due 11/21/2017 by 11:59PM*)
Week #14	November 23	*Thanksgiving Break – No Class*	
Week #15	November 30	Scientific Process and Proposal Overview	Class #5: Primary & Secondary Literature for your topic

	December 4-9	Finals Week – No classes	Final Exam: Proposal Topic Review & Research Shadowing
	Winter Break		Ongoing Assignment: Annotated Bibliography

Evaluation Procedures:

Grade Category	Description of the Requirements	Due Date and Time	Point Value
Class Attendance (10)	Attendance is required for both the class and research apprenticeship. *Missing classes without a valid excuse jeopardizes your grade in the course and status in the program.*	NA	10
Class Participation (10)	Full participation in the class is essential. This includes, but is not restricted to, in-class discussions, class activities, field trips, group work etc.	NA	10
Discussion Posts (10)	Discussion Post A	September 12	2
	Discussion Post B	September 19	2
	Discussion Post C	October 3	2
	Discussion Post D	November 7	2
	Discussion Post E	November 14	2
Class Assignments (10) No makeup assignments	#1 What is Research?	In class	2
	#2 Dissecting a Research Paper		2
	#3 Library Scavenger Hunt		2
	#4 Identify Summer Internship/Research Program		2
	#5 Primary & Secondary Literature for your topic		2
Homework Assignments (40)	#1 L.E.A.R.N. Program Quiz	August 25	1
	#2 Laboratory Safety Modules & CITI Training	September 19	4
	#3 Laboratory Safety Practical	October 3	4
	#4 Avoiding Plagiarism, Recognizing a Research Study, Moving into Discipline Specific Research, and Conducting a Literature Review (Obojobo)	November 28	4
	#5 Research Summary 1 and Research Summary 2	October 3	6
	#6 Lab Research Summary 3	October 10	3
	#7 Research Synthesis	October 24	10
	#8 Submit LinkedIn Profile, Resume and Cover Letter Draft	November 7	5
	#9 Mentor Biography and Email Graduate Research Mentor	November 14	2
	#10 Fall Individual Development Plan – Developing Spring	November 21	1
Final Exam (20) No late assignments will be accepted	Proposal Topic Review	December 7th by 12PM	12
	Research Shadowing and Reflection		8

Total points for course: 100
Grading Scale (NOTE: a grade of C or higher is necessary to continue in the L.E.A.R.N. program):
90-100% = A; 80-89% = B; 70-79% = C; 60-69% = D; >60% = F

*Slight changes in the schedule might occur. Students will be given advance notice of any changes.

Email Communication
All course communication must come from your Knights email account. Your subject line should include IDS 1911, YOUR NAME, SUBJECT OF EMAIL (i.e., IDS 1911, John Doe, Library Modules Issue). The body of the email should address Mrs. Smith and/or Dr. Schneider, include your message/questions, and signature.

Ethics Statement
As reflected in the UCF creed, integrity and scholarship are core values that should guide our conduct and decisions as members of the UCF community. Plagiarism and cheating contradict these values and are very serious academic offenses. Penalties can include a failing grade in an assignment or in the course, or suspension or expulsion from the university. Students are expected to familiarize themselves with and follow the University's Rules of Conduct (see http://osc.sdes.ucf.edu/process/roc).

Disability Access Statement
The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations. No accommodations will be provided until the student has met with the professor to request accommodations. Students who need accommodations must be registered with Student Disability Services, Ferrell Commons Room 132, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.

Documenting Student Academic Engagement in Webcourses@UCF for Financial Aid Requirement
All faculty are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes or as soon as possible after adding the course. The quiz is worth 1 point of the total points for the course. Failure to do so may result in a delay in the disbursement of your financial aid.
> Submit the *LEARN Fall 2017 Program Quiz* by Friday, August 25 (11:59pm) through Webcourses.

Questions about grading?
You have **seven days** from the day your assignment grade is posted on Webcourses to resubmit work for re-grading. After re-grading, please visit our office hours or set up an appointment to further discuss problems with the grade. All resubmissions are subject to a 100% review, not just specific questions (meaning we will review the ENTIRE assignment again). This is not a forum for complaints without justification. Please only resubmit work under two circumstances: (1) We have added up points wrong on an assignment; We are human so this is bound to happen from time to time. (2) You have strong written justification for why points should not have been taken off of your work. You must be able to back this up with a reference to notes, assignment instructions, etc.

Special Note: The instructor reserves the right to make changes to the syllabus and/or assignment schedule at any point during the semester. It is your responsibility to ensure you have the most up-to-date copy of the course syllabus and note changes when announced. If changes are made to the syllabus when you are not in class, it is your responsibility to check with your peers if changes were made. At the instructors' discretion, we will make available an up-to-date copy online for download.