

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

Dr. Kimberly Schneider
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Director, Office of Undergraduate Research
Location: Technology Commons II, Room 209
Office Hours: By appointment

Mrs. Colleen M. Smith
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Director, Office of Undergraduate Research
Location: Technology Commons II, Room 209 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 class meetings and Introduction to Research II (spring, two credits) will have the regularly scheduled class meetings and three-hour weekly research apprenticeship 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 mandatory. 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:

At the end of IDS 1911 students will be able to

- 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
Week #1	August 24	Introduction to STEM Academic Research
Week #2	August 31	IDP Check-In – Students sign up for 30 minute timeslot <i>University closes at 1PM for home football game</i>
Week #3	September 7	What is Academic Research? – Part II Hands On Activity
Week #4	September 14	Working with Faculty/Graduate Students & Laboratory Etiquette
Week #5	September 21	Information Fluency Part I - Dissecting a Research Article and Reading Primary & Secondary Literature
Week #6	September 28	Scientific Writing: Ethics, Plagiarism, misuse of sources, and APA formatting
Week #7	October 5	Research Laboratory Tours - <i>Meet at the Reflection Pond</i>
Week #8	October 12	Information Fluency Part II – Writing as a Researcher
Week #9	October 19	Information Fluency Part III – Finding Literature and Using Library Resources <i>Meet at the library</i>
Week #10	October 26	Creating a Research Portfolio - Resumes, Cover Letters, and Personal Statements
Week #11	November 2	Preparing Today for Tomorrow: Summer Programs, UCF Programs, Internships, and Your Apprenticeship <i>*Bring laptops to class*</i>
Week #12	November 9	How to be a Good Research - Mentee & Apprenticeship Assignment
Week #13	November 16	Graduate Research Mentor Meet & Greet
Week #14	November 23	<i>Thanksgiving Break – No Class</i>
Week #15	November 30	Scientific Process and Proposal Overview

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.