

Introduction to Research I (IDS 3913)
T-L.E.A.R.N.® Program - Fall 2020
Tuesdays, 3:00PM-4:20PM
Trevor Colbourn Hall, Room 201

Dr. Kimberly Schneider
Assistant Dean, College of Undergraduate Studies
Director, Office of Undergraduate Research
Location: Trevor Colbourn Hall, Suite 205
Office Hours: By appointment

Dr. Mary Tripp
Coordinator, L.E.A.R.N.®
Director, Office of Undergraduate Research
Location: Trevor Colbourn Hall, Suite 205
Office Hours: By appointment

Course Description:

This 1-credit course will introduce T-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.

Course Requirements:

Attendance to scheduled class via Zoom is mandatory. IDS 3913 is the foundational class of the T-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 (IDS 4914) in the spring term, receive the T-L.E.A.R.N. research funding, and continue their participation in the T-L.E.A.R.N. program.

Course Objectives:

At the end of this course, students will be able to

- Learn how to maximize learning by reflecting on their transition
- Develop an understanding for plans post UCF (academic and professional)
- 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
- Know how to contact and secure a faculty mentor for their LEARN research
- 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 27	Introduction to STEM Academic Research
Week #2	September 3	Undergraduate Research at UCF Laboratory Safety
Week #3	September 10	What is Academic Research? Introduction to UCF Learning Tools
Week #4	September 17	Professional Development Part I: Working with Faculty on Research, and Laboratory Etiquette
Week #5	September 24	Professional Development Part II: Contacting Faculty, Finding Faculty Mentors and Finding Their Research Literature
Week #6	October 1	Information Fluency Part I: Dissecting a Research Article and Reading Primary & Secondary Literature
Week #7	October 8	Academic Research Presentations: UCF Faculty Highlights
Week #8	October 15	Information Fluency Part II - Finding, Using, and Synthesizing Research Literature
Week #9	October 22	Information Fluency Part III – Peer Review, Manuscripts & Grants, OUR Resources
Week #10	October 29	Information Fluency Part IV- Scientific Writing, Plagiarism, APA formatting
Week #11	November 5	Professional Development Part III: Resumes Re-Reviewed, Cover Letters, and Personal Statements
Week #12	November 12	Preparing Today for Tomorrow: Summer Programs, UCF Programs, Internships, and Graduate School Regroup on Research Plans for LEARN
Week #13	November 19	How to be a Good Research Mentee in LEARN and beyond
Week #14	November 26	Research Skills Part IV: Scientific Process and Proposal Overview
Week #15	December 2-7	Finals Week – No Classes