

Introduction to Research I (IDS 3913)
T-L.E.A.R.N.TM Program - Fall 2017
Thursdays, 3:00PM-4:20PM
Teaching Academy, Room 203

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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 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 2018 term, receive the T-L.E.A.R.N. scholarship, 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
- Learn skills to build an academic portfolio

	Date	Topic
Week #1	August 24	Syllabus Review In-Class Assessment
Week #2	August 31	What is Science: Hands on activity
Week #3	September 7	Working with Faculty and Laboratory Etiquette
Week #4	September 14	Professional Development Part I: Resumes and Email
Week #5	September 21	Professional Development Part II: Finding Faculty Mentors and Finding Literature Basics
Week a #6	September 28	Academic Research Presentations: UCF Faculty Highlights
Week #7	October 5	Research Skills Part I: Finding Research Literature, Using Library Resources
Week #8	October 12	Research Skills Part II - Reading Primary & Secondary Literature, Synthesizing Literature
Week #9	October 19	Professional Development Part III: Resumes Re-Reviewed, Cover Letters, and Personal Statements
Week #10	October 26	Preparing Today for Tomorrow: Summer Programs, UCF Programs, Internships, and Graduate School
Week #11	November 2	Regroup on Research Plans for LEARN
Week #12	November 9	How to be a Good Research Mentee in LEARN and beyond
Week #13	November 23	<i>Thanksgiving Break – No Class</i>
Week #14	November 30	Research Skills Part III: Scientific Process and Proposal Overview
Week #15	December 4-9	Finals Week: Focus Group