

Research & Creativity at UF

HUM4930

Class Periods: Tuesday Period 6 (12:50-1:40)

Academic Term: Fall 2020

Instructors:

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Isabella Gain

Alessandro Perugini

Max Mathers

John Dixon

Hayle Short

Course Description

How do artists, engineers, biologists, educators, physicians, writers, historians and other scientists and scholars know what they know? How do people become researchers? How do research practitioners approach a question or shape new knowledge within their discipline? This introductory seminar explores the questions inherent to the practice of research within, and across, the arts and sciences. The course provides a dynamic, interdisciplinary, and interactive overview of diverse research methodologies.

Learning methods include two primary activities: 1) *Path to Practice* lectures and panel discussions by guest faculty from a variety of disciplines and 2) *Research Toolkit* skill development and practice. Students will engage in problem-solving think tanks and workshops during class to practice skills and develop a basic research toolkit. This research seminar is appropriate for undergraduate students of all disciplines who are interested in research.

Course Objectives

1. Students will understand what the process of research looks like in a minimum of 3 fields or disciplines.
2. Students will identify types of research professionals.
3. Students will identify methods of data collection, analysis and dissemination.
4. Students will engage in a minimum 3 basic research skills.
5. Students will describe strengths and challenges of interdisciplinary research.

Materials and Supply Fees

There are no additional fees for this course

Class Materials:

Required readings and resources will be posted on the course website of eLearning within the corresponding Week #. It is essential to the course that you understand how to navigate the eLearning system to access these important tools.

Course Schedule

Class	Course Content	Assignments
Week 1: 09/01	Course Introduction <ul style="list-style-type: none">○ Syllabus Review○ Intro to groups○ Intro to Class Project	Group Work: No Group Work Individual Work: Week 1 Creativity Video Register for Endnotes Complete Research the Researchers Assignment Review and Begin RCR Modules
Week 2: 09/08	Faculty Panel: Interdisciplinary Research <ul style="list-style-type: none">○ Dr. Eleni Bozia, Assistant Professor of Classics and Digital Humanities○ Dr. Mei-Fang Lan, Licensed Psychologist and Clinical Associate Professor○ Dr. Katherine Deliz, Research Assistant Professor in Environmental Engineering Sciences Department○ Dr. Barbara Mennel, Director of Center for the Humanities and the Public Sphere	Group Work: Set Meeting Times Introductory Activity Individual Work: View Week 2 Creativity Video Complete Accessing Research Articles Assignment

Week 3: 09/15	Basic Research Skills: Library Presentation	<p>Group Work: No Group Work Required</p> <p>Individual Work: View Week 3 Creativity Video Attend one EndNote Library Session Complete How to Read a Research Article Assignment</p>
Week 4: 09/22	Creativity in Research	<p>Group Work: How to Read a Research Article Group Activity</p> <p>Individual Work: View Week 4 Creativity Video Complete Developing Research Questions Assignment</p>
Week 5: 09/29	<p>Faculty Panel: Research Paths</p> <ul style="list-style-type: none"> ○ Dr. Christine Miller, Associate Professor in the Entomology and Nematology Department ○ Dr. Walter Murfee, Associate Professor and Associate Chair for Undergraduate Studies in Biomedical Engineering Department ○ Dr. Eakta Jain, Assistant Professor in Computer & Information Science & Engineering ○ Dr. Ralf Remshardt, Professor of Theatre 	<p>Group Work: Discuss and select a research question for group project Begin Literature Review Rubric and Mind Map Assignment</p> <p>Individual Work: View Week 5 Creativity Video</p>
Week 6: 10/06	Group Project Workshop	<p>Group Work: Complete Literature Review Rubric and Mindmap Assignment</p> <p>Individual Work: View Week 6 Creativity Video</p>
Week 7: 10/13	Graduate Student Panel: Research Paths	<p>Group Work: Refine Literature Review Rubric and Mindmap (ungraded)</p> <p>Individual Work: View Week 7 Creativity Video</p>

10/20	Group Project Workshops	<p>Group Work: Begin work on Group Research Proposal videos</p> <p>Individual Work: Complete Group Wiki Video Assignment</p>
10/27	Translating Research Skills to the Workplace- Career Resource Center	<p>Group Work: Continue to work on Group Research Proposal videos</p> <p>Group Work: Continue to work on Group Research Proposal videos</p> <p>Individual Work: View a Group Wiki Video Research the Researchers</p>
11/03	<p>Faculty Panel: Research Breadth Data Collection Methods (Quantitative)</p> <ul style="list-style-type: none"> ○ Dr. Amir Erez, Professor in the Management Department ○ Dr. Bahar Basim, Professor of Practice in Materials Science & Engineering Department ○ Dr. Jose Ponciano, Associate Professor in Biology Department ○ Dr. Matthew Eddy, Assistant Professor in Chemistry Department 	<p>Group Work: Continue to work on Group Research Proposal videos</p> <p>Individual Work: View a Group Wiki Video RCR Modules Due Submit RCR Module assignment Research the Researchers</p>
11/10	<p>Faculty Panel: Research breadth and data collection methods Panel (Qualitative)</p> <ul style="list-style-type: none"> ○ Dr. Neil Weijer, Curator of the Harold and Mary Jean Hanson Rare Book Collection at Smathers Library ○ Dr. Katie Stofer, Research Assistant Professor in Agriculture Education and Communication Department ○ Dr. Joan Frosch, Director of Center for World Arts 	<p>Group Work: Continue to work on Group Research Proposal videos</p> <p>Individual Work: View a Group Wiki Video Research the Researchers</p>

11/17	Faculty Panel: Research Communication Methods and Broader Impacts <ul style="list-style-type: none"> - Dr. Craig Smith, Associate Professor in the School of Art + Art History - Dr. Edith Kaan, Associate Professor in Linguistics Department - Dr. Selman Hershfield, Professor in Physics Department 	Individual Work: View a Group Wiki Video
11/24	Group Research Proposal Videos	Individual Work: View a Group Wiki Video UTA Evaluation (graded)
12/01	Group Research Proposal Videos	Individual Work: Complete Creativity Videos Reflection Assignment
12/08	Undergraduate Panel: CURE; Finding a Research Mentor, General Q&A	Individual Work: Gator Eval (ungraded) Post-Course Evaluation (graded)

Class Attendance, Tardiness, and Late Assignments

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/

Points will be reduced from late assignments at a rate of 5% per day for the first seven days, after which late assignments will receive an automatic 50% point reduction. Instructors will not accept assignments that are more than seven days late during the final week of class except in extenuating circumstances and with prior approval by the instructor.

Course Policies

The course requires *full* participation in attendance and class discussion/interaction. You will have readings and short assignments to complete outside of class time. Our intention in the structure of this course is to keep you engaged with stimulating conversation and hands-on learning during class time. Your grade will reflect your ability to effectively participate with your instructor, guest lecturers, and peers. The required course components are weighted as follows:

Evaluation of Grades

Assignments Descriptions:

This section provides a brief summary of each assignment only. Full assignment descriptions, requirements and rubrics are available in e-learning.

Research the Researchers

When research presenters are scheduled, students will “research the researcher” to familiarize themselves with the researcher’s background and research interests prior to the start of class. Students will evaluate the research and develop questions for researchers.

Accessing Research Articles

Students will learn how to identify academic or scholarly journal articles and how to access them using the university library system.

How to Read a Research Article

Prior to beginning a research project it is critical to understand what research has already been conducted on a topic. For this assignment you will learn how to read an academic or scholarly research article and then complete an exercise that will require you to critically evaluate each of the sections of a research article. You will engage in an interactive discussion.

Developing Research Questions

Students will develop clear, measurable and specific research questions based upon their research interests.

Literature Review Rubric and Mindmap Group Project

Students will work within small groups to identify literature related to a specific research question and organize it into a supporting literature review

Group Research Proposal Video

Students will work in interdisciplinary teams to develop research proposals that include a clear research question, supporting literature review, proposed research methods, broader impacts. Students will be asked to clearly demonstrate creativity, innovation and interdisciplinarity within their proposal.

Post Evaluation

In this course you will complete a pre-evaluation at the start of the first class and a post-evaluation in the final class. These evaluations will specifically ask you about your research knowledge and are separate from the course evaluations that are distributed for each of your classes at the university. The evaluations are anonymous. You will complete these evaluations online and then upload proof that the evaluation was completed in order to receive credit.

Grading:**Individual Assignments: 50%****Group Assignments: 40%****Attendance/Participation: 10%**

Letter Grade	% Equivalency
A	93-100%
A-	90-92%
B+	87-89%
B	83-86%
B-	80-82%
C+	77-79%
C	73-76%
C- *	70-72%
D+	67-69%
D	63-66%
D-	60-62%
E	<60%

More information on UF grading policy may be found at:

<https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

Students Requiring Accommodations

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://gatorevals.aa.ufl.edu/>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://gatorevals.aa.ufl.edu/>.

University Honesty Policy

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Software Use

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Student Privacy

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see: <http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html>

Online Course Policy

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Campus Resources:

Health and Wellness

U Matter, We Care:

If you or a friend is in distress, please contact umatter@ufl.edu or 352 392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc>, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS)

Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or <http://www.police.ufl.edu/>.

Academic Resources

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>.

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling. <https://www.crc.ufl.edu/>.

Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <https://teachingcenter.ufl.edu/>.

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <https://writing.ufl.edu/writing-studio/>.

Student Complaints Campus: https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf.

On-Line Students Complaints: <http://www.distance.ufl.edu/student-complaint-process>.