

Course Syllabus – RES 352

Course Information

Course Number: RES 352 FA19
Course Name: Ethics in Science
Term: Fall 2019
Start Date: 08/19/2019
End Date: 09/04/2019
Credits: 0

Meeting Days / Times/Locations

First Monday, 10:00am-12:00pm ET (A116)
Monday, Tuesday, Wednesday, Thursday, Friday, 3:00-5:00pm ET (A116)
Last Wednesday, 10:00am-12:00pm ET (B158)
(See Calendar in Canvas for the most up-to-date schedule.)

Course Managers

Role	Last Name	First Name	Email Address
Course Director	Li	Xinrui	xli@scripps.edu

Course Description

The purpose of this course is to engage researchers in reading, considering, and discussing the responsible conduct of science. The course is designed as an option for meeting current NIH and NSF requirements for training in the responsible conduct of research.

Program Learning Outcomes

By the end of the program, students will have accomplished these objectives:

PLO1: Published research story.

PLO2: Generate creative approaches and methodologies for complex scientific questions.

PLO3: Master a potent set of technical research skills.

PLO4: Possess strong communication skills.

Course Learning Outcomes

By the end of this course, students will be able to:

CLO1: Know rules, issues, options, and resources for research ethics.

CLO2: Understand the purpose and value of ethical decision-making.

CLO3: Have a positive disposition toward research ethics.

Background Preparation (Prerequisites)

N/A

Course Materials

Baseline information for each topic can be found at research-ethics.org.

Expectations and Logistics

Course topics will be covered by a combination of lectures, student presentations, readings accessible online, and discussion in class.

The first session of the course will consist largely of lecture, but will also include opportunities for questions and some discussion. The remaining sessions of the course will be structured around student presentations of assigned topics. The course will include some readings and homework assignments to identify current events relevant to the course topics.

Course Requirements

Attendance, participation in discussions and completion of assignments will be the basis for credit. The grading option is pass/fail.

Attendance Statement

Attendance to all lectures is mandatory. The progression of lectures requires consistent attendance, as the course is designed to build on fundamental principles taught in previous lectures. Students are responsible for their own work and must have permission from the instructor if they must miss a class.

Scientific and Professional Ethics

The work you do in this course must be your own. Feel free to build on, react to, criticize, and analyze the ideas of others but, when you do, make it known whose ideas you are working with. You must explicitly acknowledge when your work builds on someone else's ideas, including ideas of classmates, professors, and authors you read. If you ever have questions about drawing the line between others' work and your own, ask the course professor who will give you clear guidance. Exams must be completed independently. Any collaboration on answers to exams, unless expressly permitted, may result in an automatic failing grade and possible expulsion from the Graduate Program.

Technology Requirements and Support

For issues related to Canvas, please contact the Graduate Office by email at: gradprgm@scripps.edu or by phone at: 858-784-8469.

Course Grading

Grading is in accordance with the academic policies of the Skaggs Graduate School. Attendance, participation in discussions and completion of assignments will be the basis for credit. The grading option is pass/fail.

Grade Point	Letter Grade	
4.00	A	Outstanding achievement. Student performance demonstrates full command of the course subject matter and evinces a high level of originality and/or creativity that far surpasses course expectations.
3.67	A-	Excellent achievement. Student performance demonstrates thorough knowledge of the course subject matter and exceeds course expectations by completing all requirements in a superior manner.
3.33	B+	Very good work. Student performance demonstrates above-average comprehension of the course subject matter and exceeds course expectations on all tasks as defined in the course syllabus. There is notable insight and originality.
3.00	B	Satisfactory work. Student performance meets designated course expectations and demonstrates understanding of the course subject matter at an acceptable level.
2.67	B-	Marginal work. Student performance demonstrates incomplete understanding of course subject matter. There is limited perception and originality.
2.33	C+	Unsatisfactory work. Student performance demonstrates incomplete and inadequate understanding of course subject matter. There is severely limited or no perception or originality. Course will not count toward degree.
2.00	C	Unsatisfactory work. Student performance demonstrates incomplete and inadequate understanding of course subject matter. There is severely limited or no perception or originality. Course will not count toward degree.
0.00	I	Incomplete is assigned when work is of passing quality but is incomplete for a pre-approved reason. Once an incomplete grade is assigned, it remains on student's permanent record until a grade is awarded.

0.00	P	Satisfactory work. Student performance demonstrated complete and adequate understanding of course subject matter. Course will count toward degree.
0.00	F	Unacceptable work/Failure. Student performance is unacceptably low level of knowledge and understanding of course subject matter. Course will not count toward degree. Student may continue in program only with permission of the Dean.
0.00	W	Withdrew from the course with Dean's permission beyond the second week of the term.

- All courses will be recorded and maintained in the student's permanent academic record; only courses that apply towards the degree will appear on the academic transcript. Non-credit or audited courses will not appear on the transcript.
- 4 core courses taken for a letter grade (pass = B- or higher for a core course)
- 2 elective courses taken pass/fail (pass = A, B, C for an elective)

Because students are encouraged to take electives outside their area of expertise, a "C" letter grade is passing.

Course Schedule:

Date	Details
Mon Aug 19, 2019	Lecture
Mon Aug 26, 2019	Lecture
Tue Aug 27, 2019	Lecture
Wed Aug 28, 2019	Lecture
Thu Aug 29, 2019	Lecture
Fri Aug 30, 2019	Lecture
Wed Sep 4, 2019	Lecture