Course Syllabus

✎ Edit

Course Coordinator

Dr. Mary Ann Allen
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Other important E-mail/URLs

CU RCR website: **https://www.colorado.edu/researchinnovation/rcr/training** **(https://www.colorado.edu/researchinnovation/rcr/training)** /
NIH ORI website: **https://ori.hhs.gov/ (https://ori.hhs.gov/)**
Grade Check: Canvas

Days, Time, and Location

Wednesdays, 5:10 to 6:10 PM
Aug 28 th - Dec 13 th
In-person class, JSCBB A115. You must attend at least 9 classes in JSCBB. You may zoom in on a limit of 6 classes.

password: RCR

Recorded classes can be seen by using the Lecture Videos link on the left side of your

📩 **[(https://cuboulder.zoom.us/j/95496456203)](https://cuboulder.zoom.us/j/95496456203)**screen.

classroom   zoom link
main classroom (A115)   https://cuboulder.zoom.us/j/95496456203
discussion room café   https://cuboulder.zoom.us/j/98929092151
discussion room A104   https://cuboulder.zoom.us/j/91939475388
discussion room B231   https://cuboulder.zoom.us/j/91473738526
discussion room B331   https://cuboulder.zoom.us/j/91999399795
discussion room B432   https://cuboulder.zoom.us/j/98555130757
discussion room E1B11   https://cuboulder.zoom.us/j/96492196025
discussion room D319   https://cuboulder.zoom.us/j/95564459803

password always: RCR

Purpose of the Course

The purpose of this course is to provide a comprehensive introduction to the ethical issues involved in conducting research. Many granting agencies, such as NIH, have this course as a requirement for trainees participating in research they fund.

Approach

The class will be taught primarily through reading, lectures, and discussion groups. Each day, the class will begin with a lecture on a specific research issue, and small group discussions on the topic or some other related activity will follow this. ALL classes will be recorded.

Grades

This class can be taken Pass/Fail or for a letter grade. This class will not count towards a degree if you take the Pass/Fail method. If

you take Pass/Fail method, you must pass this class to fulfill your NIH or NSF requirements.

If you take the graded method, you must get a 70% or better for this class to fulfill your NIH or NSF requirements.

Approximate grading scale

	Number of assignments of this type	total percentage	percent per assigned
Attendance and Misc	~15-20	5%	NA
Quizzes	14	20%	1.4%
Activities	14	5%	0.7%
Discussions	14	60%	4.3%
Essays	2	10%	5.0%

- # Quizzes
  - Each week there will be a short quiz via Canvas before that week's class. This quiz will cover the reading and video material.

- # **Activities**

  - Each week there will be a short (generally 10 minutes, max 30 minutes) activity related to the homework material. This activity should be done after you have done the reading/videos for the week.

- # **Discussions**

  - Each class will have a lecture and a small group discussion.
    - Classroom small group discussion rules:
      - Respect your small group members. Everyone talks, and everyone is equal.
      - Don't point fingers or name names. This is not a complaint session.
      - Do call out improper conduct when you see it. Gentle peer correction may work better than reporting to a superior.
    - Grading: During or after class (within 24 hours), you must submit 3 sentences to your Canvas small group discussion to prove you were present. You will submit 1) were you in person or on Zoom 2) a one-sentence summary of the discussion, and 3) a comment you made in the live discussion. Your small group is responsible for watching for falsification statements.
      - I don't grade you on the content of your comments. I only grade based on the fact that you have made comments.
    - **Extra credit**

      - Be the designated Zoomer for your discussion group.
        - Claim this intention in the discussion group before class and bring a device to zoom the other people in the discussion group.
        - The Room Zoomer is a person in the live classroom who opens up Zoom on their device and ensures everyone on Zoom gets a chance to speak.

- # **Interview case study Essays**

- During the semester, you will turn in two half-page **Interview case study essays**. Each will be about a separate stories.
- First, you will <u>interview</u> another researcher about one of the topics we cover in this course.
  - Ask them to tell you a story from their past that illustrates why this topic is essential to understand. For example, you could ask someone if they have ever suspected misconduct. Or you could ask them if they have ever disagreed about authorship on a paper. You could ask them if they have ever personally seen animal or human mistreatment in a research project.
- Second, write a half-page story about what happened to the person you interviewed. **This story should include no personal details.**
  - My recommendation is to follow this guide when writing this essay. **http://www.formalifesciencemarketing.com/white-papers/8-fundamental-case-study-principles/** (http://www.formalifesciencemarketing.com/white-papers/8-fundamental-case-study-principles/)
  - The story does not have to have a happy ending! A lot of responsible conduct of research case studies are grey. **Case study essays in which we don't know who was right or wrong are great!**
- The case studies will be submitted via Canvas.

Late work and Missing Classes

- Missing class
  - You do not need to email me if you are going to miss class.
  - You can not miss classes and still receive NIH credit. Therefore you will need to make up missed coursework. Make-up work is only allowed for up to 3 classes.
  - If you miss a class, you will need to make up the time.
    - Watch the class lecture.

      Recorded classes can be seen using the Lecture Videos link on the left side of your screen.

    - Write a paragraph about the lecture and post it to your small group discussion for that week. **YOU MUST POST THIS PARAGRAPH FIRST.** You will <u>**NOT**</u> see everyone else's comments until after you post this paragraph.
    - Respond to EVERY other comment posted in the group discussion for that class. The Response can be a question or a statement.

- Make-ups are not easy on purpose. We prefer you attend every class.
- Quizzes:
  - There will be a 10% penalty for each week the quiz is late. The "week" begins as class begins.
- Activity:
  - There will be a 10% penalty for each week the weekly activity is late. The "week" begins as class begins.

NIH-suggested topics and what weeks we will cover are listed below.

These documents guides this class.

https://grants.nih.gov/grants/guide/notice-files/NOT-OD-22-055.html ⬈ **(https://grants.nih.gov/grants/guide/notice-files/NOT-OD-22-055.html)**

https://grants.nih.gov/grants/guide/notice-files/not-od-10-019.html ⬈ **(https://grants.nih.gov/grants/guide/notice-files/not-od-10-019.html)**

The NIH suggests these topics.

a	conflict of interest – personal, professional, financial, and conflict of commitment, in allocating time, effort, or other research resources
b	policies regarding human subjects, live vertebrate animal subjects in research, and safe laboratory practices
c	mentor/mentee responsibilities and relationships
d	safe research environments (e.g., those that promote inclusion and are free of sexual, racial, ethnic, disability and other forms of discriminatory harassment)

e	collaborative research, including collaborations with industry and investigators and institutions in other countries
f	peer review, including the responsibility for maintaining confidentiality and security in peer review
g	data acquisition and analysis; laboratory tools (e.g., tools for analyzing data and creating or working with digital images); recordkeeping practices, including methods such as electronic laboratory notebooks
h	secure and ethical data use; data confidentiality, management, sharing, and ownership
i	research misconduct and policies for handling misconduct
j	responsible authorship and publication
k	the scientist as a responsible member of society, contemporary ethical issues in biomedical research, and the environmental and societal impacts of scientific research

These are the weeks they are covered.

	talk	lecture by	NIH Subject Matters
8/28/23	Intro to RCR and Data Acquisition/ Management	Mary Allen	f, g, h
9/4/23	Data Rigor and Stats	Mary Allen	g
9/11/23	Data Reproducibility	Mary Allen	g, j
9/18/23	Research Misconduct-A guide.	Thomas Heddleston	i
9/25/23	Research Misconduct-An example	Mary Allen	i
10/9/23	Lab Safety	Sara Sawyer	b
10/16/23	Conflict of Interest and Export Control	Paul Myers and Greg Steele	a, h
10/23/23	Mentor/ Trainee Issues	Ken Wright	c
10/30/23	Intellectual Property	Brynmor Rees	e
11/6/23	Protection of Human Subjects	Misty White	b

Date	Topic	Speaker	
11/13/23	Protection of Animal Subjects	Pei-San Tsai	b
11/20/23	Authorship, Publication and Peer Review Issues	Stephanie Bryant	f,j
12/4/23	Collaborative Research	Robin Dowell	k
12/11/23	The Scientist in Society	Tom Cech	e
10/2/23	Cringe Moments and Safe Research Environments.	Kirsi Aulin	d
10/9/23	Mentor/ Trainee Issues	Ken Wright	c

Classroom Behavior

Both students and faculty are responsible for maintaining an appropriate learning environment in all instructional settings, whether in person, remote or online. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. For more information, see the (http://www.colorado.edu/policies/student-classroom-and-course-related-behavior) **classroom behavior** (http://www.colorado.edu/policies/student-classroom-and-course-related-behavior) policy, the (https://www.colorado.edu/sccr/student-conduct) **Student Code of Conduct** (https://www.colorado.edu/sccr/student-conduct) , and the (https://www.colorado.edu/oiec) **Office of Institutional Equity and Compliance** (https://www.colorado.edu/oiec) .

Accommodation for Disabilities

If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in the academic environment. Information on requesting accommodations is located on the **(https:// www.colorado.edu/disabilityservices) Disability Services website (https://www.colorado.edu/disabilityservices)** . Contact Disability Services at 303-492-8671 or **dsinfo@colorado.edu (mailto:dsinfo@colorado.edu)** for further assistance. If you have a temporary medical condition, see **(http://www.colorado.edu/disabilityservices/students/temporary-medical-conditions) Temporary Medical Conditions (http://www.colorado.edu/disabilityservices/students/temporary-medical-conditions)** on the Disability Services website.

Preferred Student Names and Pronouns

CU Boulder recognizes that students' legal information doesn't always align with how they identify. Students may update their preferred names and pronouns via the student portal; those preferred names and pronouns are listed on instructors' class rosters. In the absence of such updates, the name that appears on the class roster is the student's legal name.

Honor Code

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the **(https:// www.colorado.edu/sccr/honor-code) Honor Code (https://www.colorado.edu/sccr/honor-code)** . Violations of the Honor Code may include, but are not limited to: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access to academic materials, clicker fraud, submitting the same or similar work in more than one course without permission from all course instructors involved, and aiding academic dishonesty. All incidents of academic misconduct will be reported to Student Conduct & Conflict Resolution (honor@colorado.edu); 303-492-5550). Students found responsible for violating the **(https://www.colorado.edu/sccr/honor-code) Honor Code (https://www.colorado.edu/sccr/honor-code)** will be assigned resolution outcomes from the Student Conduct & Conflict Resolution as well as be subject to academic sanctions from the faculty member. Additional information regarding the Honor Code academic integrity policy can be found on the **(https://www.colorado.edu/sccr/honor-code) Honor Code website (https://www.colorado.edu/sccr/ honor-code)** .

Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation

CU Boulder is committed to fostering an inclusive and welcoming learning, working, and living environment. University policy prohibits sexual misconduct (harassment, exploitation, and assault), intimate partner violence (dating or domestic violence), stalking, protected-class discrimination and harassment, and related retaliation by or against members of our community on- and off-campus. These behaviors harm individuals and our community. The Office of Institutional Equity and Compliance (OIEC) addresses these policies, and individuals who believe they have been subjected to misconduct can contact OIEC at 303-492-2127 or email cureport@colorado.edu. Information about university policies, **(https://www.colorado.edu/oiec/reporting-resolutions/making-report) reporting options (https://www.colorado.edu/oiec/reporting-resolutions/making-report)** , and support resources can be found on the **(http://www.colorado.edu/institutionalequity) OIEC website (http://www.colorado.edu/institutionalequity)** .

Please know that faculty and graduate instructors are responsible for informing OIEC when they are made aware of any issues related to these policies, regardless of when or where they occurred, to ensure that individuals impacted receive information about their rights, support resources, and resolution options. To learn more about reporting and support options for various concerns, visit **(https://www.colorado.edu/dontignoreit) Don't Ignore It (https://www.colorado.edu/dontignoreit)** .

Religious Holidays

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, **{Faculty: *insert your procedures here*}.**

See the **campus policy regarding religious observances (http://www.colorado.edu/policies/observance-religious-holidays-and-absences-classes-andor-exams)** for full details.

Course Summary:

Date	Details	Due

Date	Details	Due
Wed Aug 28, 2024	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797382&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797383&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797384&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797385&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797398&include_contexts=course_109282)	5pm to 6pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797366&include_contexts=course_109282)	5pm to 6pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?	5pm to 6pm

Date	Details	Due
	event_id=797370&include_contexts=course_109282)	
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797374&include_contexts=course_109282)	5pm to 6pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797376&include_contexts=course_109282)	5pm to 6pm
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805680&include_contexts=course_109282)	5pm to 6pm
Wed Sep 4, 2024	🚀 **Class Metadata (you get 100% for completeing no mater what your answers are)** (https://canvas.colorado.edu/courses/109282/assignments/2132821)	due by 4:59pm
	💬 **In class discussion summery: Data Acquisition/Management** (https://canvas.colorado.edu/courses/109282/assignments/2132848)	due by 4:59pm
	🚀 **Weekly Activity: Lab notebook practices** (https://canvas.colorado.edu/courses/109282/assignments/2132819)	due by 4:59pm
	🚀 **Weekly Quiz: Data Acquisition, Managment Data Rigor and statistics** (https://canvas.colorado.edu/courses/109282/	due by 4:59pm

Date	Details	Due
	assignments/2132826)	
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797386&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797387&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797399&include_contexts=course_109282)	5pm to 6pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797367&include_contexts=course_109282)	5pm to 6pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797375&include_contexts=course_109282)	5pm to 6pm
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805681&include_contexts=course_109282)	5pm to 6pm
Wed Sep 11, 2024	💬 **In class discussion summery: Data Acquisition, Managment Data Rigor and**	due by 4:59pm

Date	Details	Due
	statistics [(https://canvas.colorado.edu/courses/109282/assignments/2132834)](https://canvas.colorado.edu/courses/109282/assignments/2132834)	
	📝 **Weekly Activity: memory game** [(https://canvas.colorado.edu/courses/109282/assignments/2132863)](https://canvas.colorado.edu/courses/109282/assignments/2132863)	due by 4:59pm
	🚀 **Weekly Quiz: Data Reproducibilty** [(https://canvas.colorado.edu/courses/109282/assignments/2132816)](https://canvas.colorado.edu/courses/109282/assignments/2132816)	due by 4:59pm
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** [(https://canvas.colorado.edu/calendar?event_id=797388&include_contexts=course_109282)](https://canvas.colorado.edu/calendar?event_id=797388&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** [(https://canvas.colorado.edu/calendar?event_id=797389&include_contexts=course_109282)](https://canvas.colorado.edu/calendar?event_id=797389&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750:Responsible Conduct of Rsearch** [(https://canvas.colorado.edu/calendar?event_id=797390&include_contexts=course_109282)](https://canvas.colorado.edu/calendar?event_id=797390&include_contexts=course_109282)	5pm to 6:30pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Research** [(https://canvas.colorado.edu/calendar?event_id=797400&include_contexts=course_109282)](https://canvas.colorado.edu/calendar?event_id=797400&include_contexts=course_109282)	5pm to 6pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** [(https://](https://)	5pm to 6pm

Date	Details	Due
	canvas.colorado.edu/calendar?event_id=797372&include_contexts=course_109282)	
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797377&include_contexts=course_109282)	5pm to 6pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797378&include_contexts=course_109282)	5pm to 6pm
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805682&include_contexts=course_109282)	5pm to 6pm
Wed Sep 18, 2024	💬 **In class discussion summery: Data reproducibility** (https://canvas.colorado.edu/courses/109282/assignments/2132843)	due by 4:59pm
	📝 **Weekly activity: Research misconduct in the news** (https://canvas.colorado.edu/courses/109282/assignments/2132866)	due by 4:59pm
	🚀 **Weekly Quiz: Research Misconduct a guide** (https://canvas.colorado.edu/courses/109282/assignments/2132823)	due by 4:59pm

Date	Details	Due
	🗓 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797391&include_contexts=course_109282)	5pm to 6:30pm
	🗓 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797392&include_contexts=course_109282)	5pm to 6:30pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797401&include_contexts=course_109282)	5pm to 6pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797369&include_contexts=course_109282)	5pm to 6pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797371&include_contexts=course_109282)	5pm to 6pm
	🗓 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805683&include_contexts=course_109282)	5pm to 6pm

Date	Details	Due
Wed Sep 25, 2024	🗩 **In class discussion summery: Research Misconduct-A guide** (https://canvas.colorado.edu/courses/109282/assignments/2132841)	due by 4:59pm
	📝 **Weekly Activity: Play the lab** (https://canvas.colorado.edu/courses/109282/assignments/2132860)	due by 4:59pm
	🚀 **Weekly Quiz: Research Misconduct-an example** (https://canvas.colorado.edu/courses/109282/assignments/2132831)	due by 4:59pm
	🗓 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797393&include_contexts=course_109282)	5pm to 6:30pm
	🗓 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797394&include_contexts=course_109282)	5pm to 6:30pm
	🗓 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797395&include_contexts=course_109282)	5pm to 6:30pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797402&include_contexts=course_109282)	5pm to 6pm

Date	Details	Due
	🗓 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797373&include_contexts=course_109282)	5pm to 6pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797379&include_contexts=course_109282)	5pm to 6pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797381&include_contexts=course_109282)	5pm to 6pm
	🗓 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805684&include_contexts=course_109282)	5pm to 6pm
Wed Oct 2, 2024	💬 **In class discussion summery: Research Misconduct-An example** (https://canvas.colorado.edu/courses/109282/assignments/2132850)	due by 4:59pm
	💬 **pre-Essay 1-revision group** (https://canvas.colorado.edu/courses/109282/assignments/2132847)	due by 4:59pm
	📝 **Weekly Activity: How many difficult conversations?** (https://canvas.colorado.edu/courses/109282/assignments/2132857)	due by 4:59pm

Date	Details	Due
	🚀 **Weekly Quiz: Cringe Moments** (https://canvas.colorado.edu/courses/109282/assignments/2132824)	due by 4:59pm
	🗓 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797396&include_contexts=course_109282)	5pm to 6:30pm
	🗓 **GRAD 5000-001,750:Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797397&include_contexts=course_109282)	5pm to 6:30pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797403&include_contexts=course_109282)	5pm to 6pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797368&include_contexts=course_109282)	5pm to 6pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=797380&include_contexts=course_109282)	5pm to 6pm
	🗓 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805685&include_contexts=course_109282)	5pm to 6pm

Date	Details	Due
	📝 **Essay 1** (https://canvas.colorado.edu/courses/109282/assignments/2132852)	due by 4:59pm
	💬 **In class discussion summery: Cringe moments** (https://canvas.colorado.edu/courses/109282/assignments/2132851)	due by 4:59pm
Wed Oct 9, 2024	📅 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797404&include_contexts=course_109282)	5pm to 6pm
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805686&include_contexts=course_109282)	5pm to 6pm
Wed Oct 16, 2024	📝 **Weekly Activity: Confilts of Interest and Export control** (https://canvas.colorado.edu/courses/109282/assignments/2132856)	due by 4:59pm
	🚀 **Weekly Quiz: COI** (https://canvas.colorado.edu/courses/109282/assignments/2132830)	due by 4:59pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797405&include_contexts=course_109282)	5pm to 6pm

Date	Details	Due
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805687&include_contexts=course_109282)	5pm to 6pm
Wed Oct 23, 2024	💬 **In class discussion summery: Conflicts of Interest** (https://canvas.colorado.edu/courses/109282/assignments/2132842)	due by 4:59pm
	📝 **Weekly Activity: Lab issues self assessment** (https://canvas.colorado.edu/courses/109282/assignments/2132858)	due by 4:59pm
	🚀 **Weekly Quiz: Lab Safety** (https://canvas.colorado.edu/courses/109282/assignments/2132825)	due by 4:59pm
	🚀 **Weekly Quiz: Mentoring** (https://canvas.colorado.edu/courses/109282/assignments/2132817)	due by 4:59pm
	📝 **Weekly Activity: Mentoring map** (https://canvas.colorado.edu/courses/109282/assignments/2132859)	due by 4:59pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797406&include_contexts=course_109282)	5pm to 6pm

Date	Details	Due
	🗓 **Responsible Conduct of Rsearch** **(https://** **canvas.colorado.edu/calendar?** **event_id=805688&include_contexts=course_109282)**	5pm to 6pm
Wed Oct 30, 2024	💬 **In class discussion summery: Lab Safety** **(https://canvas.colorado.edu/courses/109282/** **assignments/2132844)**	due by 4:59pm
	💬 **In class discussion summery: Mentor/** **Trainee Issues** **(https://canvas.colorado.edu/** **courses/109282/assignments/2132849)**	due by 4:59pm
	📝 **Weekly activity: Patents and Money** **(https://canvas.colorado.edu/courses/109282/** **assignments/2132865)**	due by 4:59pm
	🚀 **Weekly Quiz Intellectual Property** **(https://** **canvas.colorado.edu/courses/109282/** **assignments/2132832)**	due by 4:59pm
	🗓 **GRAD 5000-001,750: Responsible** **Conduct of Research** **(https://** **canvas.colorado.edu/calendar?** **event_id=797407&include_contexts=course_109282)**	5pm to 6pm
	🗓 **GRAD 5000-001,750: Responsible** **Conduct of Research** **(https://** **canvas.colorado.edu/calendar?** **event_id=797408&include_contexts=course_109282)**	5pm to 6pm
	🗓 **Responsible Conduct of Rsearch** **(https://** **canvas.colorado.edu/calendar?**	5pm to 6pm

Date	Details	Due
	event_id=805689&include_contexts=course_109282)	
	💬 **In class discussion summery: Intellectual Property** (https://canvas.colorado.edu/courses/109282/assignments/2132838)	due by 4:59pm
	🚀 **Weekly Quiz: Human Subjects** (https://canvas.colorado.edu/courses/109282/assignments/2132822)	due by 4:59pm
Wed Nov 6, 2024	📝 **Weekly Assignment: Human subjects** (https://canvas.colorado.edu/courses/109282/assignments/2132864)	due by 4:59pm
	📅 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797409&include_contexts=course_109282)	5pm to 6pm
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805690&include_contexts=course_109282)	5pm to 6pm
Wed Nov 13, 2024	💬 **In class discussion summery: Protection of Human Subjects** (https://canvas.colorado.edu/courses/109282/assignments/2132840)	due by 4:59pm
	🚀 **Weekly Quiz: Animal use** (https://canvas.colorado.edu/courses/109282/assignments/2132818)	due by 4:59pm

Date	Details	Due
	📝 **Weekly Activity: Animal studies** [(https://canvas.colorado.edu/courses/109282/assignments/2132855)](https://canvas.colorado.edu/courses/109282/assignments/2132855)	due by 4:59pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Research** [(https://canvas.colorado.edu/calendar?event_id=797410&include_contexts=course_109282)](https://canvas.colorado.edu/calendar?event_id=797410&include_contexts=course_109282)	5pm to 6pm
	🗓 **Responsible Conduct of Rsearch** [(https://canvas.colorado.edu/calendar?event_id=805691&include_contexts=course_109282)](https://canvas.colorado.edu/calendar?event_id=805691&include_contexts=course_109282)	5pm to 6pm
Sat Nov 16, 2024	💬 **pre-Essay 2-revision group** [(https://canvas.colorado.edu/courses/109282/assignments/2132846)](https://canvas.colorado.edu/courses/109282/assignments/2132846)	due by 4:59pm
Wed Nov 20, 2024	💬 **In class discussion summery: Protection of Animal Subjects** [(https://canvas.colorado.edu/courses/109282/assignments/2132836)](https://canvas.colorado.edu/courses/109282/assignments/2132836)	due by 4:59pm
	🚀 **Weekly Quiz: Collaboration** [(https://canvas.colorado.edu/courses/109282/assignments/2132820)](https://canvas.colorado.edu/courses/109282/assignments/2132820)	due by 4:59pm
	🗓 **GRAD 5000-001,750: Responsible Conduct of Research** [(https://canvas.colorado.edu/calendar?event_id=797411&include_contexts=course_109282)](https://canvas.colorado.edu/calendar?event_id=797411&include_contexts=course_109282)	5pm to 6pm
	🗓 **Responsible Conduct of Rsearch** [(https://canvas.colorado.edu/calendar?](https://canvas.colorado.edu/calendar?)	5pm to 6pm

Date	Details	Due
	event_id=805692&include_contexts=course_109282)	
	📣 **Weekly Activity: Collaboration pictionary** **(https://canvas.colorado.edu/courses/109282/ assignments/2132833)**	due by 11:59pm
Sat Nov 23, 2024	📝 **Essay 2 (https://canvas.colorado.edu/ courses/109282/assignments/2132853)**	due by 4:59pm
Wed Nov 27, 2024	📅 **GRAD 5000-001,750: Responsible Conduct of Research (https:// canvas.colorado.edu/calendar? event_id=797412&include_contexts=course_109282)**	5pm to 6pm
	📅 **Responsible Conduct of Rsearch (https:// canvas.colorado.edu/calendar? event_id=805693&include_contexts=course_109282)**	5pm to 6pm
Wed Dec 4, 2024	📣 **In class discussion summery: Collaborative Research (https:// canvas.colorado.edu/courses/109282/ assignments/2132835)**	due by 4:59pm
	🚀 **Weekly Quiz: Authorship, Publication and Peer Review Issues (https:// canvas.colorado.edu/courses/109282/ assignments/2132827)**	due by 4:59pm
	📝 **Weekly Activity: Publication (https:// canvas.colorado.edu/courses/109282/ assignments/2132861)**	due by 4:59pm

Date	Details	Due
	📅 **GRAD 5000-001,750: Responsible Conduct of Research** (https://canvas.colorado.edu/calendar?event_id=797413&include_contexts=course_109282)	5pm to 6pm
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805694&include_contexts=course_109282)	5pm to 6pm
Wed Dec 11, 2024	💬 **In class discussion summery: Authorship, Publication and Peer Review Issues** (https://canvas.colorado.edu/courses/109282/assignments/2132845)	due by 4:59pm
	🚀 **Weekly Quiz: Scientist in Society** (https://canvas.colorado.edu/courses/109282/assignments/2132829)	due by 4:59pm
	📝 **Weekly Activity: Scientist in Society** (https://canvas.colorado.edu/courses/109282/assignments/2132862)	due by 4:59pm
	📅 **Responsible Conduct of Rsearch** (https://canvas.colorado.edu/calendar?event_id=805695&include_contexts=course_109282)	5pm to 6pm
Fri Dec 13, 2024	💬 **In class discussion summery: The Scientist in Society** (https://canvas.colorado.edu/courses/109282/assignments/2132837)	due by 4:59pm

Date	Details	Due
	🚀 **RCR best and worst** (https://canvas.colorado.edu/courses/109282/assignments/2132828)	due by 4:59pm
	📝 **Responsible Conduct of Research** (https://canvas.colorado.edu/courses/109282/assignments/2132854)	