

Keeney SoTL project: Juniata RCR knowledge survey

Q1 Purpose: The purpose of this study is to determine knowledge and understanding about Responsible Conduct of Research (RCR) at Juniata College. The responsible and ethical conduct of research (RCR) is critical for excellence, as well as public trust, in academic research. Consequently, education in RCR is considered essential in the preparation of future professionals.

Risks: There are no risks directly related to this project. Survey data from all participants will be anonymous.

Benefits: The intent of the research is to collect data for possible publication. Results from this study may benefit future students and faculty engaged in research. If you have questions about this study, you may contact Jill Keeney at keeney@juniata.edu. Participants must be 18 years of age or older to participate in this research. The activity is entirely voluntary. Participants have the right to refuse to participate in this survey or withdraw without penalty at any time.

Consent I understand the terms and conditions of this study and completion and submission of the survey indicates my agreement to participate. Please answer each of the questions below:

Q2 Which of the following best describes your role at Juniata?

- ☐ student (1)
- ☐ faculty (2)
- ☐ staff (3)
- ☐ administration (4)
- ☐ other (5) _____

Q14 What department or office are you most closely affiliated with?

Q15 How aware are you of RCR practices?

- ☐ I've never heard of RCR (1)
- ☐ Some familiarity; I've heard of RCR (2)
- ☐ Quite aware; I know the specifics of several RCR focus areas (3)
- ☐ Very aware; I know enough to teach it. (4)

Q3 Have you had any RCR training?

- ☐ yes (1)
- ☐ no (2)

Q4 If yes, which of the following types of training have you had?

- ☐ on-line course (1)
- ☐ part or all of a course at Juniata (2)
- ☐ training at another institution (4)
- ☐ discussions with faculty member or other research mentor at Juniata (3)
- ☐ discussions with faculty member or other research mentor at another institution (7)
- ☐ I've taught RCR (5)
- ☐ other: (6) _____

Q5 How many hours do you estimate your training comprised?

- ☐ (1)
- ☐ 1-5 hours (2)
- ☐ 5-10 hours (3)
- ☐ >10 hours (4)

Q16 Please answer each of the following questions pertaining to RCR practices:

Q6 In a study involving human subjects, the researchers in the study must assure which of the following (check all that apply):

- ☐ that the research subjects will be compensated for their time (1)
- ☐ that the research subjects understand the purpose of the study and the risks, as well as the benefits (2)
- ☐ that the research subjects are 18 years or older to sign a consent form (3)
- ☐ I don't know (4)

Q7 A faculty member at Juniata is developing an embryology course that will look at developing chicks. What approvals do they need? (Check all that apply.)

- ☐ Since it is part of a course, and not for research, none. It is the responsible of the faculty member to assured that chicks will be treated appropriately according to state and federal regulations. (1)
- ☐ IRB (Institutional review board) (2)
- ☐ IACUC (Institutional animal care and use committee) (3)
- ☐ the department chair (4)
- ☐ I don't know (5)

Q9 Which of the following require IRB approval? (Check all that apply)

- ☐ Surveying your friends and classmates about how much they are paying for cell phone service to assess if there is a better plan for you than the one you are currently using (1)
- ☐ Surveying classmates on texting habits for a paper you are writing for a course (2)
- ☐ Surveying local high school students about facebook use and habits for an independent research project (3)
- ☐ I don't know (4)

Q10 Identify each of the following examples as acceptable practice, data fabrication, falsification, or plagiarism.

	acceptable practice (1)	fabrication (2)	falsification (3)	plagiarism (4)	not sure (5)
Completing a study survey for a friend who is away because you know them well enough to answer the questions as they likely would (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Making up results for a freshman lab that didn't work right (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Copying and pasting an introductory section from a paper from a previous class into a paper you are writing for a current class (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Correcting a protocol step in your lab notebook by crossing out the error, writing in the correct step, and dating the modification (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publishing the same research in two separate journals so that the results reach two separate audiences (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
You are working on a senior thesis project. Reading a paper, you get an idea for a model supported by your data. Since its your data, you don't cite the reference you got the idea from when you write your thesis. (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q11 A Juniata faculty member received a grant and is ready to publish a study resulting from the work. Who should be included as authors? (choose all that apply.)

- ☐ Two students who did most of the experiments and together wrote the paper (1)
- ☐ A student who repeated two experiments to confirm the results. (2)
- ☐ The faculty member who edited the manuscript, but didn't do any of the experiments. (3)
- ☐ The department administrative assistant who entered data into a spreadsheet for the study. (4)
- ☐ A work-study student in the lab who made most of the reagents and kept the cell cultures growing. (5)
- ☐ A well-known colleague in the field who read the paper and provided helpful comments (6)
- ☐ I don't know (7)

Q12 Proposals submitted to NSF are required to have a supplementary document (2 pages maximum) called a data management plan (DMP). What is included in a DMP?

Q13 Your roommate is performing a Bach piano concerto for Liberal Arts Symposium and asks you to record it so that they can post it to YouTube for the family to see. What should your response be?

- ☐ Tell your friend you are excited to hear the live performance, but copyright laws prohibit you from recording it. (1)
- ☐ Tell your friend you'll record it. The legal notice is only a formality to cover Juniata for piracy laws if they want to make a CD of the concert. Since recording on your phone is a non-professional recording, you are OK to record the concert and post clips to youtube. (2)
- ☐ Ask your friend if Juniata has the proper license for recording and if public postings can be made with that license. (3)
- ☐ I don't know (4)