	Four-digit code:
The CURE post-course surve	y
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If you have not yet declared a m major/concentration in the scien	ajor or concentration, please indicate if you considering a ices.
Definitely yesIt is likely	O It is unlikely O Definitely no
O I'm not sure	O Prefer not to answer
The next question is about how teducation.	the experience of this course influenced your plans about post-graduate
☐ I now plan to pursue a Doc ☐ I now plan to pursue a Mas ☐ I now plan to pursue a Doc ☐ I now plan to pursue a med ☐ I now plan to pursue a law, ☐ Not applicable / Prefer not ☐ Have you participated in research ☐ No, I have not had a prior rough Yes, during one academic sources ☐ Yes, during multiple acade ☐ Yes, during a summer research	ost-graduate education. Iter's degree in a science-related field. Iter's degree in a science-related field. Iter's degree in a field other than science. Ite

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Course Elements

Please rate how much learning you gained from each element you experienced in this course. The scale measuring your gain is from (no or very small gain) to (very large gain). Some elements may not have happened at all. If the item is not relevant or you prefer not to answer, please choose the "not applicable" option.

Level of gained experience

	Level of gameu experience					
	None	Little	Some	Much	Extensive	N.A./ Prefer not to answer
a scripted lab or project in which the students know the expected outcome.	0	O	0	O	O	0
a lab or project in which only the instructor knows the outcome.	O	O	0	O	O	0
a lab or project where no one knows the outcome.	O	O	0	0	O	0
at least one project that is assigned and structured by the instructor.	O	O	O	O	0	O
a project in which students have some input into the research process and/or what is being studied.	O	O	O	O	O	0
a project entirely of student design.	0	0	O	O	O	O
work individually.	O	O	0	0	O	0
work as a whole class.	O	O	•	•	O	O
work in small groups.	0	0	0	0	0	0
become responsible for a part of the project.	O	O	O	O	0	0
read primary scientific literature.	O	O	O	O	0	0
write a research proposal.	O	O	•	•	O	O
collect data.	O	O	0	0	0	O
analyze data.	O	O	O	0	O	O
present results orally.	O	O	0	0	O	0
present results in written papers or reports.	O	O	O	O	O	O
present posters.	O	O	0	0	O	0
critique the work of other students.	O	O	•	•	O	O
listen to lectures.	O	O	0	0	O	0
read a textbook.	O	O	O	O	O	O
work on problem sets.	O	O	O	O	O	0
take tests in class.	O	O	O	O	O	O
discuss reading materials in class.	O	O	O	O	O	0
maintain lab notebook.	O	O	O	O	O	O
computer modeling.	0	0	O	O	0	0

Benefits

In this section of the survey you will be asked to consider a variety of possible benefits you may have gained from your research experience. If for any reason you prefer not to answer, or consider the question irrelevant to you, please choose the "Not applicable / Prefer not to answer" option.

	No gain or very small gain	Small gain	Moderate gain	Large gain	Very large gain	N.A./ Prefer not to answer
Clarification of a career path	O	0	0	0	0	0
Skill in the interpretation of results	O	0	O	0	0	O
Tolerance for obstacles faced in the research process	0	O	0	O	0	0
Readiness for more demanding research	O	O	O	O	O	O
Understanding how knowledge is constructed	0	O	0	0	0	0
Understanding of the research process in your field	0	O	O	0	0	0
Ability to integrate theory and practice	0	0	O	0	0	0
Understanding of how scientists work on real problems	0	O	O	0	0	0
Understanding that scientific assertions require supporting evidence	0	O	O	0	0	0
Ability to analyze data and other information	0	O	0	O	O	0
Understanding science	0	O	O	O	O	O
Learning ethical conduct in your field	O	O	O	O	O	O
Learning laboratory techniques	0	O	O	O	O	O
Ability to read and understand primary literature	0	O	0	O	O	•
Skill in how to give an effective oral presentation	0	0	0	O	0	0
Skill in science writing	O	0	O	0	0	O
Self-confidence	0	0	0	0	0	0
Understanding of how scientists think	O	O	O	O	O	O
Learning to work independently	O	O	0	O	O	O
Becoming part of a learning community	O	0	O	O	O	O
Confidence in my potential to be a teacher of science	0	•	0	0	O	O

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Overall evaluation

For each item below please rate your own agreement with the item.

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	N.A./Prefer not to answer
This course was a good way of learning about the subject matter.	0	0	O	0	0	0
This course was a good way of learning about the process of scientific research.	0	0	•	0	0	0
This course had a positive effect on my interest in science.	0	0	0	0	0	0
I was able to ask questions in this class and get helpful responses.	O	O	O	0	O	O

Your opinions about yourself and about science

In the pretest, you responded to questions about science. Below the questions are posed again. Your answers will help us decide between two hypotheses, that the opinions are reliable over time (test-retest reliability) or that the opinions change as a result of your experience.

For each item below please rate your agreement with the item.

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	N/A./Prefer not to answer
Even if I forget the facts, I'll still be able to use the thinking skills I learn in science.	0	0	0	0	0	O
You can rely on scientific results to be true and correct.	O	O	O	0	•	0
The process of writing in science is helpful for understanding scientific ideas.	O	0	0	0	O	O
When scientific results conflict with my personal experience, I follow my experience in making choices.	0	O	O	O	O	0
Students who do not major/concentrate in science should not have to take science courses.	0	0	0	O	0	0
I wish science instructors would just tell us what we need to know so we can learn it.	0	•	•	O	O	O
Creativity does not play a role in science.	0	0	O	O	0	0
Science is not connected to non-science fields such as history, literature, economics, or art.	0	O	O	0	O	•

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	Strongly disagree	Disagree	Neutral	Agree	Strongl y agree	N/A./Prefer not to answer
When experts disagree on a science question, it's because they don't know all the facts yet.	O	0	0	•	0	0
I get personal satisfaction when I solve a scientific problem by figuring it out myself.	0	O	0	O	O	0
Since nothing in science is known for certain, all theories are equally valid.	0	0	0	0	0	0
Science is essentially an accumulation of facts, rules, and formulas.	O	0	O	0	O	O
I can do well in science courses.	0	0	0	0	0	0
Real scientists don't follow the scientific method in a straight line.	O	0	O	0	0	0
There is too much emphasis in science classes on figuring things out for yourself.	O	0	0	0	0	0
Only scientific experts are qualified to make judgments on scientific issues.	O	0	O	0	O	0
Scientists know what the results of their experiments will be before they start.	O	0	0	0	0	0
Explaining science ideas to others has helped me understand the ideas better.	O	0	0	0	0	0
The main job of the instructor is to structure the work so that we can learn it ourselves.	0	0	0	0	0	0
Scientists play with statistics to support their own ideas.	0	0	0	O	•	O
Lab experiments are used to confirm information studied in science class.	O	0	0	0	0	0
If an experiment shows that something doesn't work, the experiment was a failure.	O	0	0	O	•	O