

Merging Earth Science with Environmental Education 452 Survey (MESEES)

For each of the statements below, *CIRCLE* the dot which reflects your attitudes/opinions about ES topics covered in this class. Remember, there are no right or wrong answers, your honest opinion is wanted

Post-class Survey

LA	<i>In general, ...</i>	<i>Strongly Agree</i>		<i>Neutral</i>		<i>Strongly Disagree</i>
1.	I think learning about my local environment is important.	•	•	•	•	•
2.	I think Earth science knowledge is important for learning about my local environment.	•	•	•	•	•
3.	I think relating science knowledge to my local environment is important to help mitigate environmental problems.	•	•	•	•	•
4.	I think field experiences are necessary for study in science-related fields.	•	•	•	•	•
5.	I think I should be socially responsible for effecting change to preserve our environment.	•	•	•	•	•
6.	I think Earth science helps us solve environmental, as well as other societal issues.	•	•	•	•	•
7.	I think courses like EDU452 help contribute to understanding of Earth science.	•	•	•	•	•
LI	<i>In general, ...</i>	<i>Strongly Agree</i>		<i>Neutral</i>		<i>Strongly Disagree</i>
8.	I am interested in Earth science.	•	•	•	•	•
9.	I am interested in environmental education.	•	•	•	•	•
10.	I usually spend some of my free time looking into Earth science topics and environmental issues.	•	•	•	•	•
11.	I enjoy exploring Earth science and environmental science topics through field experiences.	•	•	•	•	•

Merging Earth Science with Environmental Education 452 Survey (MESEES)

12.	I enjoy “doing” science and figuring out ways to answer my own questions.	•	•	•	•	•
12.a.	Connecting Earth science to environmental topics sounds interesting to me.	•	•	•	•	•
12.b.	I am interested in how to teach Earth science related content.	•	•	•	•	•

CT	<i>Regarding Earth science ...</i>	<i>Strongly Agree</i>		<i>Neutral</i>		<i>Strongly Disagree</i>
13.	I believe I have the confidence to teach Earth science topics.	•	•	•	•	•
14.	I am comfortable with teaching Earth science through inquiry-based activities as opposed to from worksheets or textbooks.	•	•	•	•	•
15.	I am interested in teaching Earth science as part of my teaching career.	•	•	•	•	•
16.	I am uncomfortable with the prospect of teaching Earth science.	•	•	•	•	•
16.a.	I feel capable of explaining the connection between Earth science and the environment to my future students.	•	•	•	•	•
16.b	I believe that through EDU452 I have developed some background for effective pedagogical approaches to teaching Earth science.	•	•	•	•	•

BK	<i>Please answer the following short answer/ fill in blanks/ true&false questions to the best extent of your knowledge:</i>	<i>True</i>	<i>False</i>	<i>I don't know</i>
17.	List three or four topics that have to do with Earth science.	_____	_____	_____
18.	Briefly describe the difference between a mineral and a rock.	_____	_____	_____
19.	What is the largest source for drinking water on this planet?	_____	_____	_____

Merging Earth Science with Environmental Education 452 Survey (MESEES)

20.	There are 4 seasons on Earth because we are closer to the Sun in summers and farther away in winters.	•	•	•		
21.	Vancouver is located on the Juan de Fuca plate.	•	•	•		
22.	Vancouver was covered by a thick ice sheet about 25,000 years ago.	•	•	•		
23.	Most of the raw materials for the waste of Vancouver come from mining and petroleum.	•	•	•		
24.	I am able to recommend a place in Vancouver to buy a house that is geologically “safe” to a friend.	•	•	•		
E	<i>Regarding Earth science ...</i>	<i>Strongly Agree</i>		<i>Neutral</i>		<i>Strongly Disagree</i>
25.	I think EDU452 has offered us some useful knowledge in Earth science.	•	•	•	•	•
26.	I think EDU452 made clear that knowledge in Earth science helps in solving environmental issues.	•	•	•	•	•
27.	I think EDU452 made a good connection between Earth science and environmental education.	•	•	•	•	•
28.	I think the knowledge I obtained in EDU452 will be beneficial towards my teaching career/ overall life.	•	•	•	•	•
29.	I think EDU452 is an effective course overall, and I would recommend it to my friends.	•	•	•	•	•
P	<i>In general ...</i>	<i>Strongly Agree</i>		<i>Neutral</i>		<i>Strongly Disagree</i>
30.	I prefer some pre-readings so that I can find out about the topics prior to experiencing them in the field. (I/L)	•	•	•	•	•

Merging Earth Science with Environmental Education 452 Survey (MESEES)

31.	I prefer to start a topic by doing an initial inquiry activity. (I/L)	•	•	•	•	•
32.	I prefer “doing” science activities instead of “reading” science from textbooks. (I/L)	•	•	•	•	•
33.	Constructing my own knowledge through personal experience is a better way of learning than absorbing knowledge from readings. (C)	•	•	•	•	•
34.	Building connection to a particular local community and place promotes comprehension and learning. (P-B/L)	•	•	•	•	•
35.	It is more effective to adopt more innovative pedagogies such as those applied in EDU452, compared with traditional teaching in classrooms.	•	•	•	•	•
36.	The pedagogies adopted by the instructing team are useful, and gave me an enjoyable experience in the course.	•	•	•	•	•
A	<i>In general ...</i>	<i>Strongly Agree</i>		<i>Neutral</i>		<i>Strongly Disagree</i>
37.	The field activities in EDU452 are well designed and well organized.	•	•	•	•	•
38.	The field activities in EDU452 are helpful for building a better understanding in Earth science.	•	•	•	•	•
39.	The field activities in EDU452 help demonstrate the connection between Earth science and environmental issues.	•	•	•	•	•
40.	The field activities in EDU452 are very hands-on and learner-friendly.	•	•	•	•	•
41.	I will adopt these hands-on and place-based activities in my teaching career in future.	•	•	•	•	•

Thank you for filling out this questionnaire! (please return it to your instructors)