

Table 3. Responses to survey items using a 5-point Likert scale*

Survey item	All respondents (<i>n</i> = 172)	Learners (<i>n</i> = 93)	Instructors (<i>n</i> = 66)	Industry professionals (<i>n</i> = 25)
Fieldwork experience should be compulsory for all geoscience majors/students on undergraduate geoscience programs. [†]	5 (5)	4 (5)	5 (5)	5 (5)
The knowledge and skills gained through fieldwork cannot be learned in the classroom.	5 (5)	5 (5)	5 (5)	4 (4)
All professional geoscientists should know how to solve problems in the field.	4 (5)	4 (5)	4 (5)	4 (4)
It is possible to become an expert geoscientist without fieldwork experience.	2 (2)	2 (2)	2 (2)	2 (2)
The best geologists are those who have seen the most rocks.	3 (2)	3 (2)	3 (3)	3 (3)
All colleges and universities should provide some kind of training in bedrock mapping.	4 (4)	4 (4)	4 (4)	3 (3)
Bedrock mapping is what geoscience is all about.	2 (2)	2 (2)	2 (1)	2 (2)
No matter what career path a student takes, s/he should have training in bedrock mapping.	3 (3)	3 (3)	3 (3)	3 (3)
Is it important for students to learn bedrock mapping so that they understand the process by which geologic maps are created.	4 (4)	4 (4)	4 (4)	4 (4)
The process of making a geologic map (i.e., learning the skills and knowledge required to make the map) is more important than the outcome (i.e., producing a good map). [§]	4 (4)	4 (4)	4 (4)	3 (4)
Bedrock mapping is less important today than it was 20 years ago.	3 (2)	3 (2)	2 (2)	2 (1)

* Likert scale: 1 = strongly disagree; 5 = strongly agree. Data are reported as median (mode) value.

[†] Results of Kruskal-Wallis test indicate that a significant difference between groups exists ($p = 0.046$). Results of Mann-Whitney U test indicate a significant difference between learners and industry professionals ($p = 0.037$).

[§] Results of Kruskal-Wallis test indicate that a significant difference between groups exists ($p = 0.044$). Results of Mann-Whitney U test indicate a significant difference between both learners and industry professionals ($p = 0.028$) and instructor and industry professionals ($p = 0.014$).