

2016-2017 HERI Faculty Survey - STEM Module

****Items in this module will only be seen by faculty who indicate they teach in STEM using set of predetermined rules regarding departmental affiliation.****

1. In the courses you have taught in the past year, how often do you:
(*Responses: Always, Frequently, Occasionally, Rarely, Never*)
Integrate authentic (i.e., not "cookbook") research experiences into labs
Incorporate mini-labs into lecture
2. In the STEM courses you have taught in the past year, how often do you encourage students to:
(*Responses: Always, Frequently, Occasionally, Rarely, Never*)
Use technical science skills (use of tools, instruments, and/or techniques)
Generate a research question
Determine how to collect appropriate data
Explain the results of a study
Use scientific literature to guide research
Integrate results from multiple studies
Ask relevant questions
Identify what is known and not known about a problem
Understand scientific concepts
See connections between different areas of science and mathematics
3. To what extent are the following statements true of you: (Mark one in each row)
(*Responses: Strongly Agree, Somewhat Agree, Neutral, Disagree Somewhat, Disagree Strongly*)
I have a strong sense of belonging to a community of scientists
I derive great personal satisfaction from working on a team that is doing important research
I think of myself as a scientist
I feel like I belong in the field of science
4. To what extent do you structure your STEM courses so that students:
(*Responses: To a Very Large Extent, To a Large Extent, To Some Extent, To a Small Extent, Not at All*)
Develop a stronger interest in STEM disciplines
Have the foundational knowledge for advanced study in STEM