2019-2020 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 have you:
   (Responses: Always, Frequently, Occasionally, Rarely, Never)
   Integrated authentic (i.e., not "cookbook") research experiences into labs
   Incorporated mini-labs into lecture

2. In the STEM courses you have taught in the past year, how often have you encouraged 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, Somewhat Disagree, Strongly Disagree)
   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