**2008 Undergraduate Teaching in the Geosciences:
Faculty Survey**

Please respond within **two weeks**

***Your Background***

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| **1.** | **What is the highest degree level that you have completed?** |
|   |   Masters |  |
|   PhD or doctorate |  |
|   Other, *please specify:*    |  |

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| **2.** | **What was the year of your highest degree?** |
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| **3.** | **How many years have you taught at the college or university level?*Do not include any experience as a graduate teaching assistant*** |
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| **4.** | **Which of the following best describes your disciplinary focus?** |
|   |   Geology or Geophysics |  |
|   Oceanography or Marine Science |  |
|   Atmospheric Science or Meteorology |  |
|   Other, *please specify:*    |  |

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| **5.** | **Which of the following best describes your current position?** |
|   |   Full professor |  |
|   Associate professor |  |
|   Assistant professor |  |
|   Instructor or Lecturer |  |
|   Adjunct or Visiting professor |  |
|   Research professor or Scientist |  |
|   Administrator |  |
|   Retired |  |
|   Other, *please specify:*    |  |

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| **6.** | **Please indicate the number of each of the following courses you taught during the spring 2008 and fall 2008? If you taught a two-term course or the same course for consecutive terms, please count each term separately.** |
|  |  |  |
|   |   Introductory courses |  |
|   Courses for majors |  |
|   Graduate-level courses |  |
|  |  |
|   I did not teach during Fall 2008 or Spring 2008 |  |

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Geoscience course content and research in your field

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| **50.** | **At how many meetings have you presented your scientific research within the past two years?** |
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| **51.** | **How many articles about your research have you published within the past two years?** |
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| **52.** | **How do you stay current with geoscience content that is beyond the scope of your research?(Check all that apply)** |
|  |  |  |
|   |   Communicate with colleagues |  |
|   Attend talks, poster sessions, or presentations |  |
|   Read journal articles |  |
|   Search internet |  |
|   Other, specify    |  |

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| **53.** | **How often did you talk or correspond with your colleagues about course content over the past two years?** |
|   |   Never |  |
|   Once or twice per term |  |
|   Several times per term |  |
|   Weekly |  |
|   Nearly every day |  |

Pedagogy

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| **54.** | **How do you learn about new teaching methods?(Check all that apply)** |
|  |  |  |
|   |   Professional meetings or workshops |  |
|   Publications |  |
|   Discussions with other faculty members in my department |  |
|   Discussions with other colleagues on campus |  |
|   Discussions with colleagues in other institutions |  |
|   On-line resources |  |
|   My own research |  |

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| **55.** | **Approximately, how many talks on teaching methods, other topics related to science education, or geoscience education have you attended in the past two years at professional meetings, on campus, or at other venues?** |
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| **56.** | **How many workshops related to improving your teaching did you attend in the past two years?** |
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| **57.** | **Do you frequently communicate with your colleagues about:(Check all that apply)** |
|  |  |  |
|   |   New ideas in pedagogy |  |
|   New ideas for content |  |
|   Specific assignments or activities |  |
|   Problems I encounter in my teaching |  |
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|   Classroom management issues |  |
|   Course design |  |
|   How to teach a specific course |  |
|   How to assess student learning |  |

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| **58.** | **Which of the following do you turn to for advice on teaching?(Check all that apply)** |
|  |  |  |
|   |   Colleagues in my department |  |
|   Other colleagues on campus |  |
|   Colleagues at the campus teaching / learning center |  |
|   Colleagues outside my institution whom I know from my geoscience research |  |
|   Colleagues outside my institution whom I met through my interest in teaching |  |
|   Nationally known leaders on education |  |
|   Other, specify    |  |

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| **59.** | **How often did you talk to or correspond with your colleagues about your teaching over the past two years?** |
|  |  |  |
|   |   Never |  |
|   Once or twice per term |  |
|   Several times per term |  |
|   Weekly |  |
|   Nearly every day |  |

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| **60.** | **What do you rely on to determine if your teaching is working?(Check all that apply)** |
|  |  |  |
|   |   Experience and gut instinct |  |
|   Performance on exams, quizzes, assignments |  |
|   Students show up for class and appear to enjoy class |  |
|   Level of student engagement in class |  |
|   Conversations with students |  |
|   End-of-class or mid-term evaluations or surveys |  |
|   Other, specify   |  |

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| **61.** | **When you have done something that is particularly successful in class, which of the following do you routinely do? (Check all that apply)** |
|  |  |  |
|   |   Tell colleagues whom I know will be interested |  |
|   Tell students whom I know will be interested |  |
|   Share my success via a list-serv for faculty  |  |
|   Post my activity on my own website |  |
|   Add my activity to a collection of activities (e.g. Cutting Edge, Starting Point, DLESE) |  |
|   Publish a paper about my activity |  |
|   None of the above |  |

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| **62.** | **How often do you use the Cutting Edge website?** |
|   |   Never, I did not know there was such a website |  |
|   Never, but I know of the website |  |
|   Rarely |  |
|   Monthly |  |
|   Weekly or more often |  |

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| **63.** | **If you have used it, which parts of the site did you use? (Check all that apply)**  |
|  |  |  |
|   |   Geoscience topical collections |  |
|   Pedagogic topical collections |  |
|   Teaching materials (activities, syllabi) |  |
|   Workshop information |  |
|   Visualization collections |  |
|   Other, specify    |  |

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| **64.** | **For which of the following have you used on-line teaching resources within the past two years?(Check all that apply)**  |
|  |  |  |
|   |   Surf for ideas for your teaching |  |
|   Download materials to use in the class |  |
|   Find materials for students to use in assignments |  |
|   Learn about the content you will be teaching |  |
|   Learn about the methods you will be using |  |
|   None of the above |  |

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| **65.** | **How has the use of on-line resources positively impacted your teaching within the past two years?(Check all that apply)**  |
|  |  |  |
|   |   Increased the variety of methods that I use |  |
|   Increased my skill with a particular teaching method |  |
|   Increased my confidence as a teacher |  |
|   Increased my ability to assess student learning |  |
|   Influenced the topics that I address in my course |  |
|   Increased my knowledge of a particular topic |  |
|   Other specify    |  |

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| **66.** | **Which of the following journals about teaching do you read regularly?(Check all that apply)** |
|  |  |  |
|   |   I do not regularly read journals about teaching |  |
|   Journal of College Science Teaching |  |
|   Journal of Geoscience Education |  |
|   Journal of Research in Science Teaching |  |
|   Other pedagogical journals, specify   |  |

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| **67.** | **Have you presented research on teaching methods or student learning at meetings within the past two years?** |
|   |   Yes |  |
|   No |  |

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| **68.** | **How many articles have you published about educational topics within the past two years?** |
|   |      If none, [click here](http://statisticalresearchcenter.aip.org/cgi-bin/ce.pl#q70) to skip to question 72. |  |

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| **69.** | **Of these articles, how many describe:** |
|   |   Your research on teaching methods or student learning |  |
|   Your classroom or curriculum innovations |  |
|   Other, (Please describe)   |  |

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| **70.** | **Which of the following ways have you shared or published materials (e.g. syllabi, student assignments, resources for students) from your courses in the last two years?(Check all that apply)** |
|  |  |  |
|   |   In my department |  |
|   Posted on-line |  |
|   Talks |  |
|   Published in journals |  |
|   None of the above |  |

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| **71.** | **Please add any additional comments you would like to make:** |
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|   |  |  |

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Your responses have been accepted.

Thank you for participating in the
2008 Undergraduate Teaching in the Geosciences Survey

[The Statistical Research Center](http://www.aip.org/statistics)