Classroom Assessment: Tried, True, and Timely
A Field-tested Learning Assessment Guide (FLAG)

Session Goals and/or ABET Criterion (Criteria) Addressed
We will present information on the contents and use of a Web site that provides a Field-tested Learning Assessment Guide (FLAG) for science, mathematics, engineering, and technology (STEM) faculty. Though aimed at STEM classes, the techniques can be used in all disciplines. The FLAG includes a primer on assessment to bring faculty quickly up to speed on the key concepts of assessment and practical advice on getting started. Robust tools for adoption and adaptation are included.

FLAG url: www.flaguide.org

Presentation Format
Interactive workshop with a defined goal; hands-on interaction with FLAG Web site

Session Summary
Assessment drives learning. The research evidence supports this concept, especially for formative assessment aimed at improving student outcomes. But what is this process called “classroom assessment”? And how can busy faculty do it? The National Science Foundation (NSF) has supported the development of national resources that provides a Web-based Field-tested Learning Assessment Guide (FLAG) for science, mathematics, engineering, and technology faculty. Using a guide book as a model, the FLAG includes a selection of classroom assessment techniques (CATs) with enough background information to employ specific assessment tools. Each CAT has a strong empirical and research base; each CAT-aligned tool has been field-tested; all materials have been peer reviewed. The FLAG’s goal is to assist faculty to grow more reflective about student learning outcomes, and so improve them—enhance achievement!

Key Words
Classroom assessment techniques; attitude surveys, conceptual diagnostic tests, minute paper, concept maps, multiple-choice tests, clinical interviews, portfolios, performance assessments, scoring rubrics, mathematical reasoning, conceptual diagnostic tests

Bibliography
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