

Teachers of Science, Technology, and Mathematics

**Work in the company of peers to develop practical tools
for educational assessment and evaluation**

Assessment and Evaluation for STEM Educators

An interactive, online, graduate-level course is being offered in the Spring of 2013 by the *University at Albany's School of Education*. The course will concentrate on developing fundamental concepts and skills in educational assessment and evaluation. There are no pre-requisites for registration, but participants must be actively teaching in order to carry out and share assessment and evaluation plans and results with colleagues over the course of the spring semester.

This course is unique because

- Members of the *New York Center for Astrobiology* and the *Astrobiology Teachers Academy* will share their experience in building assessments in science education.
- The course will be taught by Drs. Paul Zachos and William E. J. Doane of the *Association for the Cooperative Advancement of Science and Education* (ACASE). They have been working with scientists and science educators to develop innovative assessment activities for over two decades.

If interested or for more information contact Paul Zachos paz@acase.org

Course Description

Assessment and Evaluation for STEM educators

Backward design, formative assessment and action research will be applied to practical problems chosen by participants to develop critical assessment and evaluation concepts and skills for STEM-related education. The course will support participants in creating innovative lessons or productively addressing classroom, school, and state challenges such as high-stakes testing and professional performance reviews.

Requirements: Participants must be actively teaching during the course. Participants are expected to build and refine a learning module related to their own teaching, to conduct and share the results of assessments of student learning on a monthly basis and to work in consultation with fellow participants and course instructors to produce and evaluate a completed module. This work will be in lieu of extensive readings and a formal paper.