



Wisconsin Program for Scientific Teaching Teaching Fellows Program

Goal

The goal of scientific teaching is to improve undergraduate education by training a new generation of faculty who bring to teaching the critical thinking, rigor, creativity, and spirit of experimentation that defines research.

Overview

WPST conducts a year-long program that partners graduate students and postdocs with UW biology instructors. In fall, Fellows learn and practice scientific teaching concepts through coursework and projects. In spring, Fellows teach, evaluate, and disseminate the instructional materials they created.

Sequence of Activities

Applications due

August

Form partnerships with instructors

Learn about scientific teaching

Practice skills

Develop and refine classroom materials

Teach materials during semester

Review and evaluate materials

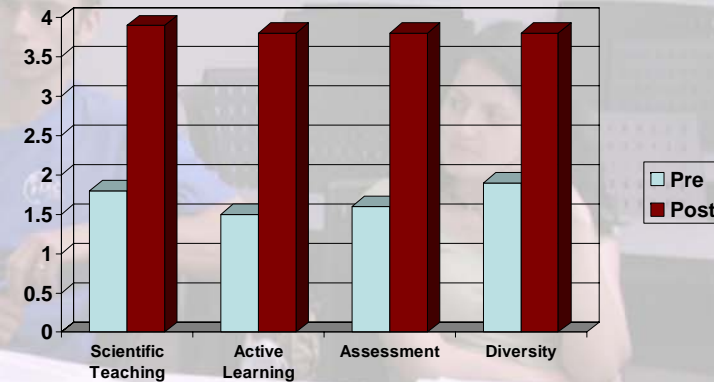
Submit final materials, including evaluation

June



Outcomes

- Learning gains in active learning, assessment, and diversity



Analysis of responses to knowledge and skill questions from electronic surveys before and after participation in the Teaching Fellows Program for three cohorts (1=very low; 5 = very high)

- Increased confidence in teaching biology
- Classroom teaching and evaluation experience
- Development and evaluation of peer-reviewed teachable units (accessible at website below)