UA Initiative for the Development of Online Programs

PI names: Ingrid Novodvorsky
Program Title: Online Secondary Science Teacher Certification Program

Project Description
In this project, we are developing online versions of six courses that are required for secondary science certification. We have already created online versions of three science-certification courses, so this project will allow us to offer the certification program completely online.

What was accomplished?
We are in the process of creating online versions of these courses:
STCH 420 – Planning and Implementing Science Curriculum
BIOC 434 – Biology Teaching Methods
CHEM 439 – Chemistry Teaching Methods
GEOS 401 – Earth Science Teaching Methods
PHYS 439 – Physics Teaching Methods
STCH 496a – Science Teaching Seminar

Goals
The goal of this project is to further expand access to courses that prepare undergraduate science majors to be secondary teachers, by developing online versions of courses that are required for secondary certification in Arizona.

Assessment
We will pilot these online courses during the 2011-12 academic year, assess their effectiveness, and make changes based on our assessment.

Future Plans
Once the online courses are piloted and revised, we will begin marketing them to students outside the Tucson area. We will also use these courses as the basis of a pathway to secondary science certification that we are working on with UA Outreach Advisors and partners at Central Arizona College.

May 2011