

CUYAMACA COLLEGE TITLE III PROJECT FACULTY STIPEND AWARD RECIPIENTS 2005-2006

<i>Recipient</i>	<i>Title of Proposal</i>	<i>Abstract</i>	<i>*Grant Components</i>
BOTZ THERESE	ASL Website Dev. To Improve Student Success and Retention	This project will develop a Cuyamaca College American Sign Language website to include online tutorial assistance. This online tutorial assistance includes online lessons, signed dictionaries, practice modules, and practice quizzes. Resource development will also include information on the Deaf community.	TI, FT
BUCKY MARVELYN & COLLS GUILLERMO	ESL Mini Reading Lab (Portable)	To both help students succeed and meet the classroom needs of ESL Reading teachers, we propose to create and utilize a mini reading lab that can be transported to any classroom, regardless of that classroom's storage facility. This portable lab will consist of a locking cart on wheels containing two sets of SRA READING FOR UNDERSTANDING kits set B and C rated for grades three through seven, and seven through twelve respectively, fifteen developmental-level reading novels with one copy back-ups, ten audio books, and two CD/Cassette players with earphones.	TI, FT, CD
CHANDLER TED & MCGEEHEE DUNCAN	Development of a pre-engineering program in Mechatronics Microcontrollers & Robotics	We need a way to attract more students into the program, to let them know what engineering is about, and to show them how fun it is. We therefore propose to offer a pre-engineering courses at Cuyamaca College- courses with few or no prerequisites, that expose students in high school or in the first years of college to various aspects of engineering. The first set of courses we would like to offer is a sequence of 4 courses in Mechatronics, the study of combined electronic and mechanical systems. These courses will have lab and lecture components and will be offered Saturday mornings, when high school students are free of other academic requirements.	CD
ECKERT SCOTT	Beg. Algebra Online Resource	This project proposes the creation of a web site to supplement and support Beginning Algebra (Math 90) students. The web site includes: A multimedia introduction that explains the purpose of the site and how to use it, A description of necessary prerequisite skills and course objectives, Online multimedia lectures for each section taught in Math 90, Printable lecture notes to accompany each online lecture, Printable practice tests and solutions for each chapter in the book, Suggestions and instruction on how to use the MathXL software program to create and individualized study plan, Links to additional resources which include multimedia presentations of algebraic concepts or other algebra help sites.	TI
HABER SUSAN	Using audio and video segments in Hist 108 online to provide a more stimulating online environment to promote learning and retention	I will create a series of short video segments to use for online orientation to History 108. I will develop a series of video and sound file components for the course itself. These videos will serve to explain and emphasize new material, major content themes and learning objectives for the course. Integrating these video segments into the History 108 online orientation and course should produce a more stimulating online environment and have positive impact on learning and retention.	TI

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LEBLANC LAURIE	Blended Chemistry 120	Closed classes and waiting lists are becoming more and more commonplace at the start of each semester. Offering blended chemistry courses will serve to free up needed classroom space. It is for these reasons that I plan to develop and offer a blended online chemistry course- Preparation for General Chemistry (Chem120)- during the coming year. The laboratory component of the course will meet for more than 50% of class time on campus once a week. The lecture portion of the course will be online. Student learning outcomes will be developed for the online course and a pre- and post-test will be administered in order to measure student success during the Spring of 2006.	TI, FT, CD
MCCAMMAN STEPHEN	Developing a Problem-based Curriculum for a Wireless Classroom	The purpose of this project is to increase student retention and success through a problem-based curriculum developed around a wireless classroom in POSC 121 Introduction to American Government and Politics. The goal will be achieved in three ways: 1. By increasing faculty knowledge of wireless classroom pedagogy 2. By funding the basic technology necessary for a wireless classroom 3. By developing three problem-based American government units tailored for use in a wireless classroom. Each unit will address a particular issue in American government (federalism and the executive branch, for example). In addition, each unit will incorporate the best practices of wireless classroom pedagogy drawn from the faculty training.	TI, FT, CD
MONROE BRAD	Computer Software for Irrigation Design	In the various majors where students are required to take this class, we find many otherwise capable students frustrated because on tests, one small mistake results in the failure of a question. This leads to lowered test scores, even when the student understands the concepts. The lower test scores results in students dropping the course. This project would utilize Microsoft Excel to automate these calculations through the development of specialized templates. These templates would use the Hazen-Williams formula for friction loss, charts for water meter pressure losses, Excel functions to assist in entering data, Boolean operators, cell data validation, and other Excel functions.	TI
NESTA ANGELA	ADA Compliance of Finding Videos and DVD's and the Off-campus Log-in Procedure online Tutorials	Presently, there are two tutorials on the library's website, Finding Videos and DVDs and the Off-Campus Log-in Procedure, that do not meet the District-wide Section 508 Standards for web accessibility for those with disabilities. With this in mind, my project, to re-design these tutorials making the information accessible to those with disabilities and thereby helping them to retrieve more resources so that they can better engage their teaching and learning. In addition, the redesigned layout of these tutorials will present the information in a more usable format for everyone's use- those with and without disabilities.	TI, FT
VIERSEN BETH	Web Accessibility Step by step Tutorials for Faculty & Staff	One area that best demonstrates the dynamic relationship between learning and technology is creating a step by step tutorial of key web accessibility components, for Faculty and Staff on the DSPS Website. It will also provide key resources such as FAQ's, assistive technology software/hardware information and forms for faculty and staff to access regarding accessibility via the web. The goal is to create a website for all faculty and staff that will teach them how to integrate universal design into accessible WebPages.	TI, FT
WIENERT STEPHEN	Web presence and the effects on student retention and academic success	During the last 4 years I have been increasing the content of my web page to provide more efficient access to class materials and course content. Each semester there has been a component added to the site as I learn more skills with web interactivity. With the increased online activity of most students, this content should increase their retention and the academic success. In the next two semesters, I will be adding web based interactivity and activities to my regular classes, and then assessing the changes in student retention rates as well as grades on exams in classes. I feel that an increase in interactivity and contact with students will increase their connection to the class producing increase rates.	TI

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