Form X (White)

- Authorization To Offer Non-Degree Extension Credit Course Through Extended Studies

1. Desired Term: Fall 2006  
   Year of implementation: 2006  

2a. Course abbreviation and Number: EDUC E1023  
   2b. Abbreviated Title: World Communications and Teaching Science/Math/Environment

4. Number of Units: 2  
   5. Billing Units: 2

6. Allowed Student Levels: UG X GR X EE X (Default is to check all three levels)

7. Grading Method:  
   - N Normal (N) (Default is Letter Grade +/-, Students may request Credit/No Credit)  
   - Normal Plus Report-in-Progress (NP) (As for Normal; also allows Report-in-Progress)  
   - Credit/No Credit Only (C)  
   - Credit/No Credit or Report-in-Progress Only (CP)

8. Mode of Instruction:  
   (See pages 17-23 at http://www.calstate.edu/cim/data-elem/ 
   dic/APDB-Transaction-DED-SectionV.pdf for definitions of 
   the Course Classification Numbers)  

<table>
<thead>
<tr>
<th>Type of Instruction</th>
<th>Number of Credit Units</th>
<th>Instructional Mode (Course Classification Number)</th>
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<tbody>
<tr>
<td>Lecture</td>
<td>2</td>
<td>02</td>
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<tr>
<td>Activity</td>
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<tr>
<td>Lab</td>
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9. Attributes: Course Requires Consent for Enrollment?  
   - Yes X No  
     Faculty Credential Analyst Dean Program/Department - Director/Chair

Prerequisites:  
Co-requisites:

10. Does this course impact other discipline(s)?  
    (If there is any uncertainty as to whether a particular discipline is affected, 
    check "yes" and obtain signature.)  
    - Yes X No  
    If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Discipline: Support Oppose  
Signature: Date  
Discipline: Support Oppose  
Signature: Date

Important: Please Complete

1. Instructor: Any Dwyer

2. Extension Course Proposal Form - attached
   Previously reviewed: Resubmitting with title change request
   Online iLearn course

Signatures: (College Level)

1. Program Director/Chair  
   Date

2. College Dean (or Designee)  
   Date

Signatures: (University Level)

3. Dean of Extended Studies (or Designee)  
   Date

Vice President for Academic Affairs (or Designee)  
   Date
Course Title:
World Communications and Teaching Science/Math/Environment (iEARN Online Course)

Course Description:
The course will guide teachers in designing a method to engage their students in interdisciplinary, collaborative project-oriented learning. Teachers will explore various approaches using action research, traditional scientific methods, mathematical problem-solving, and historical analysis. Teachers and their students will identify and analyze a problem relevant to their community and share the results with educators and students around the world. This course provides a secure interactive forum where participants can communicate with local and international teachers who have interest in similar projects and want to improve skills for integrating technology into their classrooms. They will collaborate on a particular science project with their colleagues in the US and around the world.

Course Objectives:
Participants will:
✓ Identify and select an international tele-collaborative project that aligns to local/state/national education standards
✓ Plan the implementation of the collaborative project selected to fit into their teaching schedule
✓ Develop a lesson plan that defines standards addressed for the project and for their classroom
✓ Learn to manage their classroom during online collaborative project work (technology and classroom management skills)
✓ Explore the use of various technology tools to supplement project work
✓ Involve their students online with other students participating in projects from various regions in the world
✓ Identify examples of best practices of international collaborative project work
✓ Develop a plan to share with teachers in their school the materials and methodology of online collaborative learning
✓ Identify ways to involve the students with the community as the project is implemented
✓ Revise communicative language learning theories to be able to analyze the underlying theories when getting involved in collaborative online projects.
✓ Assess the communicative value of online work with classes around the world.
✓ Have concrete examples of iEARN supported projects for the Science/Environmental Studies/Mathematics classroom.

Evaluation:
This is a nine-week asynchronous online course. Each week participants are required to complete online and offline reading assignments and in some weeks group activities. Assignments are graded weekly and participants can log on to access their progress.

The nine-week process guides then through the steps of integrating a standards-based project for their classroom.

Drawing from their experiences, examples of best practices, and outside readings, participants will post, online, their responses/questions for facilitators and other participants to respond to in discussion format. In addition, participants will:
✓ submit a lesson plan for a project that will be integrated into their classrooms.
✓ join an ongoing online interactive forum for educators around the world who are working on collaborative projects related to the curriculum

Mid-course participants will take the first draft of their lesson plan into their classroom and work on it with their students. This practical, hands-on experience will enable them to "test" their collaborative project and students responses. It will also help them see how the management of technology will work in the classroom.

After 9 weeks, participants' students have begun participating in a collaborative iEARN project – interacting with their peers globally.

Every iEARN project has a final component to demonstrate what learning has taken place. In line with this, the lesson plan that participants submit in this course includes a section on how they will assess students learning through the project they have chosen to participate in – group/individual presentation, creation of a website, a written piece etc. The lesson plans enables us to make sure the teacher has comprehended and practiced the process of project integration.

Participants are also required to submit a FINAL PAPER (3-4 pages) outlining their experience and future plans for collaborative project work.

- **Course Length:**
  Nine weeks of asynchronous online course work = 45 hours (on average teachers spent 5 hours per week)

- **Proposed Dates:** October 9 – December 10, 2006

- **Location:** Online

- **Support Needs:** None

- **Comments:**
  This is an online course located on the iEARN website. Instructions about getting started will be e-mailed to participants. CSUSM Extended Studies will offer the option of contract extension credit to teachers pursuing this professional development opportunity.

To learn more about the course (sample weekly outlines and teacher testimonies) visit iEARN website [http://www.us.iearn.org/professional_development/online_courses/index.php](http://www.us.iearn.org/professional_development/online_courses/index.php)

This course is designed for teachers who wish to internationalize their classrooms and explore new ways of using technology in their classrooms. Each course has 25-30 participants. There will be an average of 8 others countries represented. These will also be K-12 teachers. You will have two facilitators who will help to guide you through the materials. Typically one is in the US and the other in a foreign country. This structure has been designed to give you the experience of working with other cultures, nationalities and regions of the world. Each week you will do activities and have discussions that help you build on integrating a collaborative online project into your classroom. You will start with discussions about online learning add collaborative projects then select a collaborative project that interests you. Once you have the project you would like to integrate you will complete activities to align it to your local/state standards. You'll finish the course with a standards-based lesson plan that works in your classroom.

**When completed, please return this form to:** Catherine Boyle Asker, Director of Education Programs, Extended Studies, Cal State San Marcos, 333 S. Twin Oaks Valley Rd., San Marcos, CA 92096-0001  
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**FAX:** (760)750-3138; **E-mail:** cboyle@csusm.edu