**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 E1047
   **2b. Abbreviated Title:** Math/Science Instruction Planning

4. **Number of Units:** 1
5. **Billing Units:** 1

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.csustate.edu/cim/data-element/4PDR-Transaction-DED-SectionV.pdf](http://www.csustate.edu/cim/data-element/4PDR-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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</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>1</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**
   **Signature**
   **Date**
   **Support**
   **Oppose**

   **Discipline**
   **Signature**
   **Date**
   **Support**
   **Oppose**

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**Important: Please Complete**

1. **Instructor:** Leslie J. Hays, Ed.D

2. **Please complete the Extension Course Proposal Form**
   [http://www.csusm.edu/academic_programs/Curriculum_Forms/index.html](http://www.csusm.edu/academic_programs/Curriculum_Forms/index.html)

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**SIGNATURES: (COLLEGE LEVEL)**

1. Program Director/Chair
   
2. College Dean (or Designee)

**SIGNATURES: (UNIVERSITY LEVEL)**

3. Dean of Extended Studies (or Designee)
   
4. Vice President for Academic Affairs (or Designee)
In planning the components of our Extended Studies program at Cal State San Marcos, this office consults closely with the academic colleges and departments to determine the suitability of course content, teaching methods and instructor qualifications. To assist us in evaluating your proposed course for credit, please submit this completed form to our office as soon as possible. Questions before you submit? Call me at (760)750-8713.

- **Course Title:** Planning Units of Instruction in Secondary Mathematics or Science (7-12)

- **Course Description:**
  This is an online course designed to provide secondary mathematics and science teachers with models of pedagogy in practice. The course features secondary science and mathematics teachers sharing and demonstrating their processes in designing and delivering a unit of instruction. All units contain resources for classroom implementation and links to California content and teaching standards. Specific subject areas include algebra, geometry, general science, biology, and chemistry.

- **Course Objectives:**
  View models for planning a unit of instruction in secondary mathematics and science. (online examples)
  Reflect on own experience and use the models to engage in the planning process. (online activities)
  Demonstrate knowledge of a range of planning and implementation strategies for mathematics or science. (online activities)

- **Evaluation:**
  Time spent in programs is reported via the Prep Period online management system. Students must send a report of their time in the system, as well as written reports of activities. Students must complete four general activities as well as at least two activities for each of six modules, for a total of 16 written reports.

  Science modules: biology (2), chemistry (2), general science (2)
  Mathematics modules: geometry (1), algebra (2)

- **Course Length:**
  15 hours in online course
  5-10 additional hours in outside class work to complete assignments

- **Proposed Date(s):** September 15, 2006→ ongoing

- **Location:**
  This is an online course found at [www.prepperiod.org](http://www.prepperiod.org).

- **Support Needs:**
  Students will need to have the latest version of Flash, a recent Internet browser, and Adobe Acrobat loaded on their computer. The technical requirements are also specified on the site, with links to support sites if software needs to be downloaded.

- **Comments:**
  These online classes have been produced and currently available through San Diego County Office of Education.

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*When completed, please return this form, along with an up-to-date resume (with teaching references) to: Catherine Boyle, Office of Extended Studies, Cal State San Marcos, 333 S. Twin Oaks Valley Rd., San Marcos, CA 92096; FAX: (760)750-3138; E-mail: cboyle@csusm.edu*
LESLIE J. HAYS, Ed.D

Director, Learning Resources & Education Technology Support
San Diego County Office of Education
6401 Linda Vista Road, San Diego, CA 92111
858-292-3758 Email: lhays@sdcoe.net


EDUCATION AND CREDENTIALS

2003 Administrative Services Credential, San Diego State University.


1973: B.A. with a major in Biology (cum laude) from the University of the South, Sewanee, Tennessee. (Undergraduate work at Emory University, Atlanta, Georgia).

TEACHING EXPERIENCE

Spring 2003: Adjunct Professor at USD in School of Education. Taught Secondary Content Area Reading class.

1979 – 2000: Science teacher at Helix High School, La Mesa, CA, and Lincoln HS, San Diego, CA. Taught multiple levels of science including AP Biology, Chemistry, Oceanography and AP Psychology.

1977-1978: Owner and administrator of an English as a Second Language school, the California Language Institute, in Santa Cruz, Bolivia. Managed the school and taught English.

1975-1976: Teacher, Cochabamba Cooperative School, Cochabamba, Bolivia; a K-12 American State Department supported school.

2004-present: Director, Learning Resources & Educational Technology for SDCOE. Overseer Professional Development Online Production Unit and Learning Resources Display Center.

LEADERSHIP EXPERIENCE

2002-2005: Facilitator of East County Transitions K-16 monthly articulation meetings sponsored by SDCOE with eight participating districts, two community colleges and San Diego State University.


2002, 2003: Region IX AVID Annual Leadership Colloquium, Planned and organized the two-day program which focused on the issues Equity and Access through the use of educational research and site-specific data. 89 school teams from three counties participated in 7-12 vertical teaming sessions.
2000-2003: SDcoe, Project Specialist for AVID charged with supporting 64 AP Challenge Grant High Schools and their partner middle schools in SD, Orange and Imperial Counties and AVID Regional Coordinator for 30 East County Middle and High Schools. Organized and led staff development meetings at monthly AVID Coordinator Workshops.

1998-00: Literacy Coordinator for Helix High School in charge of developing and implementing a school wide program.


National Science Foundation Grant to conduct “Evolution and Nature of Science” summer institutes for middle and high school science educators in San Diego County (1995-1997).

Toyota Tapestry Grant awarded for a science project titled “Inner Space to Outer Space: Imaging Technologies” (1995).
Lourdes Shahamiri

From: Denise Garcia
Sent: Wednesday, September 13, 2006 11:35 AM
To: Lourdes Shahamiri; David Chien; Jacqueline Trischman; Graham Oberem
Cc: Virginia Mann
Subject: RE: EDUC E1047 -- Extended Studies

It is fine with us.

From: Lourdes Shahamiri
Sent: Wednesday, September 13, 2006 9:22 AM
To: David Chien; Jacqueline Trischman; Denise Garcia; Graham Oberem
Cc: Virginia Mann
Subject: EDUC E1047 -- Extended Studies

Hello,

David asked that I send you the attached EDUC E1047 course to see if you have any comments/concerns.

Thanks.

Lourdes
Lourdes Shahamiri

From: David Chien
Sent: Friday, September 22, 2006 2:40 PM
To: Lourdes Shahamiri
Subject: RE: EDUC E1047 -- Extended Studies

Didn’t they start it on 9/15 and today is 9/22?

My concern is still that Dr. Leslie Hays' background in mathematics. I still don’t understand how she can assign a grade to people who have mathematics as part of their project.

David

From: Lourdes Shahamiri
Sent: Friday, September 22, 2006 11:42 AM
To: David Chien
Subject: RE: EDUC E1047 -- Extended Studies

No they have not. That's we're trying to get your comments.

Lourdes

From: David Chien
Sent: Friday, September 22, 2006 11:35 AM
To: Lourdes Shahamiri
Subject: RE: EDUC E1047 -- Extended Studies

They must have started the class without my input.

David

From: Lourdes Shahamiri
Sent: Friday, September 22, 2006 11:31 AM
To: David Chien
Cc: Catherine Boyle
Subject: FW: EDUC E1047 -- Extended Studies

Hi David,

I hope all is well with you. Have you had a chance to review Catherine’s response?

Lourdes

From: Catherine Boyle
Sent: Monday, September 18, 2006 11:30 AM
To: David Chien  
The: Lourdes Shahamiri  
Subject: RE: EDUC E1047 -- Extended Studies

Dr. Chien —

EDUC E1047 is part of an online course series, Prep Period, that was developed by San Diego County Office of Education. Each component has been created with the guidance of teacher(s) that specialize in the particular subject area. In the Mathematics component of Prep Period, the main instructor to guide content was Ricardo Gomez of SDSU. Please feel free to contact him directly if you have concerns regarding the content of the Math modules in Prep Period.

Now that content development has been completed, Ricardo Gomez has finished his portion of the project and Leslie Hays, as Director of Learning Resources & Education Technology Support in the San Diego Office of Education, will oversee the online courses and will be Instructor of Record. She will be reviewing the finished assignments and assigning grades to the teachers (through CSUSM Data Portal) that choose to sign up for the optional credit that Extended Studies would attach to these particular online course modules.

Re: no ending date specified in the course proposal  
These online professional development courses are ongoing through the County Offices. I believe that September 15 was the launch date for Prep Period. Once EDUC E1047 is initially approved, Extended Studies will create the courses through the renewal system as the need arises. The semester would be determined by the time period in which the teacher chooses to complete these modules, although they are available on a continuous basis.

I hope this has cleared up your questions, please do not hesitate to contact me directly if there are any further clarifications needed.

Catherine Boyle-Adler  
Director of Education Programs  
Extended Studies  
Cal State San Marcos  
San Marcos, CA 92096-0014  
www.csusm-es.org  
(760) 750-8713

From: Lourdes Shahamiri  
Sent: Thursday, September 14, 2006 1:12 PM  
To: Catherine Boyle  
Cc: Becky Wendt  
Subject: FW: EDUC E1047 -- Extended Studies

Hi Catherine,
Please see Dr. Chien's concern's with this course.
Lourdes

From: David Chien  
Sent: Wednesday, September 13, 2006 1:51 PM  
To: Lourdes Shahamiri  
Subject: RE: EDUC E1047 -- Extended Studies

9/22/2006
Here is my concern:

The proposed instructor, Dr. Leslie Hays, has no training in mathematics. I can't find any mathematics related training from her resume. In the course proposal, the proposed date starts from Sept. 15, 2006 with no ending date.

David Chien

From: Lourdes Shahamiri
Sent: Wednesday, September 13, 2006 9:22 AM
To: David Chien; Jacqueline Trischman; Denise Garcia; Graham Oberem
Cc: Virginia Mann
Subject: EDUC E1047 -- Extended Studies

Hello,
David asked that I send you the attached EDUC E1047 course to see if you have any comments/concerns.
Thanks,
Lourdes
Hi Lourdes,

I think this should have a signature from the sciences. There are several people in Physics and Chemistry interested in science education who teach or have taught discipline-based science courses that include a pedagogy component. ID 381 is a good example of one such course that is still offered.

I am forwarding this to Ed Price and also to Paul Jasien.

Thanks,

Graham

On 9/13/06 9:22 AM, "Lourdes Shahamiri" <lourdes@csusm.edu> wrote:

Hello,

David asked that I send you the attached EDUC E1047 course to see if you have any comments/concerns.

Thanks.

Lourdes
Lourdes Shahamiri

From: Graham Oberem
Sent: Wednesday, September 13, 2006 9:32 AM
To: Edward Price; Paul Jasien
Cc: Lourdes Shahamiri
Subject: FW: EDUC E1047 -- Extended Studies
Attachments: EDUC E1047.pdf

Ed and Paul,

I think you both have something of a vested interest in this. Ed, note that this is an “E” course meaning that it will be a special course offered through Extended Studies.

If you any comments for David Barsky, please direct them through Lourdes. I have already suggested that they obtain signatures from people in the sciences.

Thanks,

Graham

---------- Forwarded Message
From: Lourdes Shahamiri <lourdes@csusm.edu>
Date: Wed, 13 Sep 2006 09:22:11 -0700
To: David Chien <chien@csusm.edu>, Jacqueline Trischman <trischma@csusm.edu>, Denise Garcia <dgarcia@csusm.edu>, Graham Oberem <oberem@csusm.edu>
Cc: Virginia Mann <vmann@csusm.edu>
Subject: EDUC E1047 -- Extended Studies

Hello,

David asked that I send you the attached EDUC E1047 course to see if you have any comments/concerns.

Thanks.

Lourdes

---------- End of Forwarded Message
Lourdes Shahamiri

From: David Chien
Sent: Tuesday, October 03, 2006 9:27 AM
To: Lourdes Shahamiri
Subject: RE: Approved by Dr. Chien to be professor of record

ok.

David

From: Lourdes Shahamiri
Sent: Tuesday, October 03, 2006 9:22 AM
To: David Chien
Subject: FW: Approved by Dr. Chien to be professor of record

Hi David,

Please see e-mail below and let me know if you support the course.

Thanks.

Lourdes

From: Catherine Boyle
Sent: Tuesday, October 03, 2006 8:25 AM
To: Lourdes Shahamiri
Subject: FW: Approved by Dr. Chien to be professor of record

Lourdes ~

You may want to confirm with Dr. Chien, but I think the approvals are in for EDUC E1047 now...

~ Catherine

From: LHays [mailto:LHays@sdoce.net]
Sent: Monday, October 02, 2006 5:26 PM
To: Catherine Boyle
Cc: Cyndy Bishop
Subject: Approved by Dr. Chien to be professor of record

Hello Catherine ~

I have spoken this evening with Dr. Chien and once he learned that I'd had extensive mathematics courses as part of my science major (including calculus) he was fine with my being the professor of record for all the Prep Period courses including Planning Units of Instruction in Secondary Mathematics or Science (7-12) (EDUC E1047). Dr. Chien indicated I should communicate this information with you, and that he could confirm it by email or telephone with you.

10/3/2006
Thank you for all your help with this course approval, and many teachers will be grateful for the opportunity to get extension credit from CSU San Marcos!

Leslie Hays, Ed.D
Director, Learning Resources & Ed Tech Support
San Diego County of Education
(858) 292-3758 • Fax (858) 571-5943