California State University, San Marcos

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

<table>
<thead>
<tr>
<th>1. Desired Term: Summer 2009</th>
<th>Year of implementation: 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>2a. Course abbreviation and Number: EDUC 1083_EX</td>
<td>2b. Abbreviated Title: (No more than 25 characters, including spaces) Wetlands Institute for Teachers</td>
</tr>
</tbody>
</table>

| 4. Number of Units: 1 | 5. Billing Units: 1 ($80) |

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

<table>
<thead>
<tr>
<th>7. Grading Method:</th>
<th>Type of Instruction</th>
<th>Number of Credit Units</th>
<th>Instructional Mode (Course Classification Number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>_N Normal (N) (Default is Letter Grade +/-, Students may request Credit/No Credit)</td>
<td>Lecture</td>
<td>1</td>
<td>C-02</td>
</tr>
<tr>
<td>Normal Plus Report-in-Progress (NP) (As for Normal; also allows Report-in-Progress)</td>
<td>Activity</td>
<td></td>
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<tr>
<td>Credit/No Credit Only (C)</td>
<td>Lab</td>
<td></td>
<td></td>
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<tr>
<td>Credit/No Credit or Report-in-Progress Only (CP)</td>
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| 8. Mode of Instruction: (See pages 17-23 at [http://www.csun.edu/cm/data-elem-die/APDB-Transaction-DED-SectionV.pdf](http://www.csun.edu/cm/data-elem-die/APDB-Transaction-DED-SectionV.pdf) for definitions of the Course Classification Numbers) |

| 9. Attributes: Course Requires Consent for Enrollment? | Yes X No |
| Faculty Credential Analyst 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.

3/10 (see email) 9/7/09 __________ Support __________ Oppose

Discipline Signature Date

Disclosure: Signature Date

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Important: Please Complete

1. Instructor: Brian Brown

2. Extension Course Proposal Form (attached)

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**SIGNATURES: (COLLEGE LEVEL)**

1. Program Director/Chair Date

2. College Dean (or Designee) Date

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**UNIVERSITY LEVEL**

3. Dean of Extended Studies (or Designee) Date

4. Vice President for Academic Affairs (or Designee) Date

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8/27/09 8/24/09 9/8/09
In planning the components of our Extended Learning 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:** Wetlands Institute for Teachers

- **Course Description:** The purpose of this course is for teachers to gain a deeper understanding of the role of wetlands in California, including their role as wildlife habitat, storm water filtering, groundwater recharge and natural science education laboratories. Teachers attending this two day conference will receive experience with grade level appropriate activities that will help their students understand the interdisciplinary interplay of science, social science, math and language arts knowledge in studying California wetlands and the issues surrounding these areas. They will benefit by learning effective and engaging ways to integrate wetland education activities into their existing curriculum, in potential class field trips and will walk away from the course with over 200 activities correlated to California Content Standards.

**Course Objectives:** Course objectives of the Wetlands Institute for Teachers include the following:
1. Introducing participants to California wetland issues.
2. Introducing the role of science in understanding California wetland ecosystems.
3. Introducing participants to the role of wetlands as wildlife habitat and natural water filtration systems.
4. Modeling teaching methods promoting critical thinking skills and a variety of learning modalities.
5. Introducing participants to the Project WET, Project WILD and Aquatic WILD guides & features for effective use of these materials.
6. Engaging participants in a minimum of 15 standard aligned activities highlighting the above objectives.

- **Evaluation:** The basis for credit will be the full participation of the participant in course activities and completion of a course evaluation form upon completion of the course.

- **Course Length:** The Wetlands Institute for Teachers will consist of two 9 hour days for a total of 18 hours.

- **Proposed Date(s):** The Institute is scheduled for July 29-30, 2009

- **Location:** Grasslands Education Center and Wetlands, Los Banos, CA.
• **Support Needs:** None required

**Technology Needs:** None required

**Photocopying:** None required

**Room Set-up:** None required

• **Comments:** California wetlands are essentially endangered ecosystems, yet they provide an vital array of benefits for wildlife as well as humans. They are also provide incredible opportunities as natural laboratories for science education. This workshop is being conducted by a partnership of organizations highlight the value of these natural areas for the above issues- supporting agencies include: Water Education Foundation, California Dept. of Fish & Game, US Geological Survey and California Regional Environmental Education Community.

When completed, please return this form, along with an up-to-date resume (with teaching references) to: Allyson Randall, Office of Extended Learning, Cal State San Marcos, 333 S. Twin Oaks Valley Rd., San Marcos, CA 92096; FAX: (760)750-3138; E-mail: arandall@csusm.edu
CURRICULUM VITAE

DARYL BRIAN BROWN
California Project WET Coordinator
Water Education Foundation
717 K Street, Suite 317
Sacramento, CA. 95814
(916) 444-6240
(916) 448-7699 FAX
e-mail: projectwet@watereducation.org

EDUCATION:

BACHELOR OF SCIENCE, Humboldt State University, Arcata, CA, 1990.
Forestry, Resources Management Emphasis, Honors Graduate.

BACHELOR OF ARTS, Humboldt State University, Arcata, CA, 1990.
Social Science

CALIFORNIA CLEAR CREDENTIAL, Humboldt State University, Arcata, CA, 1992.
Secondary Social Science, Life Sciences, Supplemental Authorization Forestry (K-12)

CALIFORNIA CLEAR CREDENTIAL, Humboldt State University, Arcata, CA, 1992.
Multiple Subjects (K-12)

SPECIALIZED PROFESSIONAL COMPETENCE:
Professional development training for lead educators and water management professionals,
curriculum writing, writing and editing statewide e-newsletter, coordinating state-wide
education programs, grant writing.

WORK EXPERIENCE:

2004- present:
WATER EDUCATION COORDINATOR, Water Education Foundation, Sacramento,
CA. California Project WET (Water Education for Teachers) program administrator.
Coordinate professional development workshops, recruit and train program facilitators,
cordinate and conduct advanced professional development workshops, write and edit
quarterly e-newsletter.

1995-2004:
INTERN COORDINATOR, Camp Campbell Outdoor Science School, Boulder Creek,
CA, Recruitment of college Intern staff, organize and facilitate pre- credential Intern
training semester and seminars for credentialed teaching staff. Supervise and evaluate
Interns.
1999:

**JOB TRAINING PARTNERSHIP COORDINATOR, Camp Campbell Outdoor Science School, Boulder Creek, CA,** Organize and facilitate math, science and job training program for at risk high school students. Supervise and evaluate student progress.

1994-2004:

**FIELD TEACHER, Camp Campbell Outdoor Science School, Boulder Creek, CA,** Facilitate interaction of basic environmental science concepts, social learning skills and local history with hands-on emphasis for Greater Bay Area 5th and 6th graders. Facilitate growth of leader skills for high school volunteers. Maintain/restore trail system, forest study areas and vermiculture/hot compost systems. Supervise other staff and site in Director’s absence.

1993- present:

**EDUCATION SPECIALIST, Forestry Institute for Teachers, 1993-Present.**
Provide professional development Assist K-college level educators with translating knowledge of natural resource management into grade level appropriate lessons. Emphasis on constructivist methods and hands-on learning. Facilitate use of environmental education curriculum materials. Steering committee member.

1999:

**TRAIL CREW SUPERVISOR, Whiskeytown National Recreation Area, Whiskeytown CA,** Supervise job training program for at risk high school students. Coordinate trail restoration activities with National Park Service Road & Trail Engineering Supervisor. Organize and evaluate student progress.

1992-1994:

**LEAD NATURALIST, Whiskeytown Environmental School, Shasta County Office of Education, Redding CA,** Facilitate interaction of basic environmental science concepts, social learning skills and local history with hands-on emphasis for Northern California 5th and 6th graders. Facilitate growth of leader skills for high school volunteers. Maintain/restore trail system, forest study areas and hot compost system. Supervise other staff and site in Director’s absence.

1991-1992:


1990:

**NATURALIST, Whiskeytown Environmental School, Shasta County Office of Education, Redding CA,** Facilitate interaction of basic environmental science concepts, social learning skills and local history with hands-on emphasis for Northern California 5th and 6th graders. Facilitate growth of leader skills for high school volunteers.

1986-1990:

**BOILER OPERATOR, Colusa County Canning Company, Williams, CA,** Maintain operation of plant boiler system. Wrote training and procedures manual for new boiler operators.

**Work-related Committee Membership:**
California Project WET Advisory Committee Chair, Water Education Foundation, Water Education Resources Advisory Committee, California Department of Water Resources
Professional Activities & Achievements:

Workshop Facilitator- Project Learning Tree, California Department of Forestry
Workshop Facilitator- Project WILD, California Department of Fish & Game
Workshop Facilitator- California Project WET, Water Education Foundation
Workshop Facilitator- Burning Issues Program, Bureau of Land Management

Contributor, Curriculum Materials:

Project Learning Tree, California Department of Forestry
California versions:
‘Trees at School’
‘Home, Sweet Home’
‘Saga of the Gypsy Moth’
‘Burning Issues Standard Correlation, Grades 5-12’
‘Standard Correlations, Forest Issues Module’
‘Standard Correlations, Forest Ecology Module’
‘Standard Correlations, Municipal Solid Waste Module’

Project WET Activity Guide Revision, Project WET International Foundation
KIDS: Stormwater booklet, Project WET International Foundation

Workshop Presentations:

Association of Environmental & Outdoor Educators Conferences, California Science Teachers
Conferences, California Agriculture in the Classroom Conferences, Mateo County Math &
Science Conferences, Teach the River Conferences, Integrating Environmental Education into
CREDENTIAL Preparation Courses Conferences, Native Waters Conference, Day in the Delta with
USGS Workshop, USGS and the Science of Water Quality Monitoring Workshop, The Water
Beneath Our Feet: USGS and Groundwater Science in the Coachella Valley Workshop, Science
In Rural California Workshop, Amador County Department of Waste Management Municipal
Solid Waste Workshop, California School Age Consortium Conferences, Stanislaus County
Office of Education Workshop, San Joaquin County Office of Education Workshop

Teacher in-service workshops: Glenn County Office of Education, Merced County Office of
Education, Elk Grove Unified School District, Shasta County Office of Education, Sacramento
Unified School District, Siskiyou County Office of Education, Mendocino County Office of
Education.
Community Service & Volunteer Activities:

1993- Present:
   Elementary/Secondary Facilitator, Project Learning Tree
1993- Present:
   Elementary/Secondary Facilitator, Project WILD
1998:
1994-1997:
   Forester- Forest Conservation Days, Sanborn Park, Saratoga, CA.
1982-1987:
   Santa Claus, Colusa, CA.

COMMUNITY AND VOLUNTEER ACTIVITIES

This looks fine to us.

Hello Denise,

David Barsky has requested that Biological Sciences review the attached Extended Learning course - Wetlands Institute for Teachers. Please let me know if BIOL has any comments or concerns regarding this non-degree extension credit course.

Thank you,

Virginia

virginia.petersmann
Curriculum Specialist
Academic Programs
CSU San Marcos
Tel: (760) 750-8887