ANNUAL PROGRAM REVIEW

NAME OF PROGRAM/DEPARTMENT/SERVICE AREA: ENVIRONMENTAL STUDIES

NAME OF PERSON SUBMITTING THIS REVIEW: Derek Lerch & Darla DeRuiter

DATE OF SUBMISSION: 10/1/10

MANAGEMENT AREA (check one):

- ☐ **Administrative Services**
- ☒ **Instruction**
- ☐ **Student Services**

ASSESSMENT OF PAST PROGRESS

Describe your progress on your previous year's objectives:

Objective 1: Curricular revision and development	**Summary of Progress:** • We have successfully created an Env. Science A.S. through FRC's curriculum development process. The degree is currently (10/2010) in process with the Chancellor's Office. • We have held regular ENVR staff meetings (DeRuiter, Lerch, Jury, Fulton, Parks, Tompkins) • Course outlines updated / retired (ALL-complete) • ENVR staff retreat Nov 2009 (ALL) • A certificate hatchery management is being explored by Parks through SB70 support.
Connection to other plans: ENVR Program Review Nov 2007 ENVR APR, Oct. 2009 FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Staff time, SB70 support, Instruction Office support (data, assistance with program approval process)

Objective 2: Continue to utilize SLOAC to make improvements and adjustments to our program and curriculum.	**Summary of Progress:** In the spirit of preparing our students for the workforce and assessing SLOs, we developed a 2-unit capstone course (offered fall 2010) that includes student surveys and the development of alumni tracking. (DeRuiter, Lerch, Jury)
Connection to other plans: ENVR Program Review Nov 2007 ENVR APR, Oct. 2009 2007-2011 Ed Plan	**Resources/Budget Needed:** Instructional Office funding for course offering.

Campus Accreditation Requirements FRC Strategic Plan Objective 1

Objective 3: Utilize greenhouse most effectively for instruction, community relations, and restoration partnerships.	**Summary of Progress:** • ENVR 164 scheduled for spring 2011 • Greenhouse relocation being considered along with other proposed campus changes. (Facilities Committee, Facilities Department) • Greenhouse manager is actively working with ENVR and other FRC faculty (DeRuiter, Lerch, Thompson, Rust)
Connection to other plans: 2007-2011 Ed Plan ENVR APR, Oct. 2009 FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Instructional Funds for course offering. Facilities funds for relocation.

Objective 4: Continue to procure and utilize modern field equipment for student training needs.	**Summary of Progress:** • Through SB70, we purchased a variety of field equipment during summer 2010 • Student work with deer collars initiated in fall 2009, work remains to fully utilize equipment. (DeRuiter) • Lerch has looked into buying soil testing and geophysical equipment through various funding sources. Work in progress. (Lerch)
Connection to other plans: 2007-2011 Ed Plan ENVR APR, Oct. 2009 FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Instructional Funds for course offering. Facilities funds for relocation.

CURRENT YEAR PROGRESS AND OBJECTIVES

What objectives and tasks will you take on for this year? (You may continue objectives from the prior year.) Will your allocated resources be sufficient given your objectives?

Objective 1: Curricular revision and development	**Action Plan (include who is responsible):** • Regular ENVR staff meetings (DeRuiter, Lerch, Jury, Fulton, Parks, Tompkins) • Explore adding a certificate in Sustainability Coordination.

	• Explore the possibility of creating a short-term (2-3 day) field class that would center on environmental, biological, and geological concepts.
Connection to other plans: ENVR Program Review Nov 2007 ENVR APR, Oct. 2009 FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Staff time, SB70 support, Instruction Office support (data, assistance with program approval process)

Objective 2: Continue to utilize SLOAC to make improvements and adjustments to our program and curriculum.	**Action Plan** (include who is responsible)**:** We are offering ENVR Capstone class for the first time; we expect potential curricular revisions in this course and others to emerge. We plan on providing support for associate faculty members to complete and/or improve their SLOAC process by setting aside time at our ENVR faculty meetings to discuss SLOAC strategies. (All ENVR faculty)
Connection to other plans: ENVR Program Review Nov 2007 2007-2011 Ed Plan ENVR APR, Oct. 2009 Campus Accreditation Requirements FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Staff time.

Objective 3: Improve collaboration and communication between ENVR (and possibly ORL) faculty by exploring options to situate offices near each other.	**Action Plan** (include who is responsible)**:** • Discuss prospective room changes with other faculty (Lerch, DeRuiter) • If informal discussion of room changes bears fruit, work with Facilities Department and Committee to create a work plan for relocation.
Connection to other plans: 2007-2011 Ed Plan FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Instructional Funds for course offering. Facilities funds for relocation.

Objective 4: Move ENVR equipment storage from upper campus to lower campus. Note: this could be incorporated into Objective 3.	**Action Plan** (include who is responsible)**:** • Talk with Nick Boyd about the potential to adding storage to the lower portion of campus near Spanish Creek. This storage could be built onto the side of existing structures in order to keep costs low. (DeRuiter, Jury)
Connection to other plans: 2007-2011 Ed Plan FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Instructional Funds for course offering. Facilities funds for relocation.

Objective 4: Continue to procure and utilize modern field equipment for student training needs.	**Action Plan** (include who is responsible)**:** • Train students in use of deer collaring equipment (DeRuiter) • Investigate grant funding for environmental geophysical equipment (Lerch)
Connection to other plans: 2007-2011 Ed Plan ENVR APR, Oct. 2009 FRC Strategic Plan Objective 1	**Resources/Budget Needed:** Instructional Funds for course offering. Facilities funds for relocation.

BUDGET CHANGE REQUESTS FOR NEXT YEAR

Please provide rationale for budget *changes* (attach budget request sheets for entire annual budget).

Budget Request(s): Amount	Account Code	**Rationale** (include connection to other plans)**:**
$800	1100213506410	Entire Instructional Equipment budget was cut for 2009-10, 2010-11.

SUMMARY UPDATE FROM COMPREHENSIVE PROGRAM REVIEW

Based on data provided:

1. Describe the current status of the Program/Depart/Service Area.

- The ENVR program appears to be growing. Enrollments in all ENVR classes are on par with or above past years. Staffing is adequate, and we are excited about the role our associate faculty are playing.
- After reviewing program data (supplied by B. Murphy), we found a number of classes that have relatively low "success" rates in the ENVR area. These classes represent our more demanding, academic courses. We examined course records by semester and determined that the students who are not "succeeding" are the ones who have failed to submit a significant portion of their assignments and/or (but most often AND) were poorly prepared for exams. We feel that we need to uphold the rigor and content of these courses and maintain our academic standards. We would like to work with B. Baldwin (Campus Recruiter) to try to attract better-prepared students. Note: we are approximately 3% above the state CCC average for both success and retention rates.
- Environmental Science A.S., Bio Tech Certificate, Hydro Tech Certificate, and Forestry Tech Certificates have all been approved through our curriculum process.

2. Explain significant issues and/or changes that have occurred since the last comprehensive review.

- We are offering our ENVR Capstone course for the first time. This course has the potential to greatly improve our students' success in reaching their goals post-FRC. This course includes training related to pursuing educational and employment opportunities. Also, this course will formalize our long-term data collection procedure: improving program-wide outcomes. It is essential that the course pre-requisite be upheld in future years. Some students currently enrolled were allowed to register with no or very few ENVR units completed.
- We developed a new Environmental Science A.S., as well as three new certificates (Biological Technician, Hydrologic Technician, and Forestry Technician) in the 2009-2010 academic year.
- ENVR faculty have pursued, and are awaiting response on a grant to build a nature educational facility near the Hatchery Bldg. with Prop. 84 money.

3. Briefly explain significant changes expected during the upcoming year.

Goals for 2011-2012

- Explore development of new certificates for Fish Hatchery Technicians and Sustainability Coordinators.
- Explore possibility of getting current certificates approved by the Chancellor's Office.
- Work toward procuring geophysical field equipment.
- Hold ENVR staff and student social event at the beginning of the fall term.
- Explore external funding sources to endow and improve the program.
- Continue to explore options for relocating the FRC Greenhouse to a more appropriate location if not accomplished this year.
- Continue to utilize SLOAC process to improve program curriculum.
- Pursue restoration of the creek under the CDC.

APPENDIX

Attach supporting documents as appropriate. Please see Instructions for examples of supporting documents per Management Area.

2011-2012 BUDGET PROPOSAL

RESPONSIBILITY: CIO

FUND CODE: **1100 GENERAL - UNRESTRICTED**
ORGANIZATION CODE: **21350 Environmental Studies**

FEATHER RIVER COMMUNITY COLLEGE DISTRICT

ACCOUNT CODE	ACCOUNT TITLE (Please provide specific detail supporting *Proposed Budget Request* .)	Strategic Planning Goals & Objectives Policy Area (If Applicable)	2009-10 ENDING BUDGET	2009-10 ACTUAL	2010-11 ADJUSTED FINAL BUDGET	2011-12 PROPOSED BUDGET REQUEST
2125	Classified Hourly Temp	2.2, 2.3	$200.00	$0.00	$200.00	$200.00
3000	Fringes	2.2, 2.3	$75.00	$0.00	$75.00	$75.00
4310	Instructional Supplies	2.1, 2.2, 2.3	$608.00	$92.29	$608.00	$608.00
4325	Non-instructional Supplies	2.1, 2.2, 2.3	$219.00	$0.00	$219.00	$219.00
5050	Consultants and Contract Services	2.1, 2.2, 2.3	$60.00	$0.00	$60.00	$60.00
5075	Repairs - Equipment	2.1, 2.2, 2.3	$0.00	$0.00	$167.00	$167.00
5100	Employee Travel Expenses	2.1	$393.00	$0.00	$363.00	$363.00
5101	Student Travel	2.1	$1,430.00	$1,195.20	$2,295.00	$2,295.00
5905	Events and Programs	2.1	$200.00	$0.00	$200.00	$200.00
6410	Instructional Equipment	2.1	$0.00	$0.00	$0.00	$800.00
			$3,185.00	**$1,287.49**	**$4,187.00**	**$4,987.00**