PROGRAM CHANGE PROPOSAL - Form P-2

COLLEGE □ CHABSS □ CoBA □ CoEHHS □ CSM

TITLE OF PROGRAM Environmental Studies

Check one: □ Change to Program □ Program Deletion

TITLE OF DEGREE PROGRAM: Environmental Studies, B.A.

This form is the signature sheet for a change to, or deletion of, an existing program. Note that the addition of a new option/concentration/emphasis/track is a new "program," and requires the use of Form P.

For a change to a program:
1. Attach a page (or pages) giving a brief summary of the purpose of this proposal, and its connection to the mission and student learning outcomes of the program.
2. Attach catalog copy showing exactly how the program should appear in the catalog if the changes are approved.

For a program deletion, attach a statement explaining the impact on students: how will the program be "taught-out" for declared majors?

Does this proposal impact other disciplines or units? □ Yes □ No
If yes, obtain signature(s).
Any objections or concerns should be stated in writing and attached to this form. Please check the box to indicate whether a memo has been attached.

Geography
Discipline/Unit
Signature
See enclosed attachment
Date
Support □ Oppose □

Anthropology
Discipline/Unit
Signature
See enclosed attachment
Date
Support □ Oppose □

History
Discipline/Unit
Signature
See enclosed attachment
Date
Support □ Oppose □

Political Science
Discipline/Unit
Signature
See enclosed attachment
Date
Support □ Oppose □

Women's Studies
Discipline/Unit
Signature
See enclosed attachment
Date
Support □ Oppose □

Physics
Discipline/Unit
Signature
See enclosed attachment
Date
Support □ Oppose □

Biology

APPROVAL PROCESS

1. Dean/Department Chair
   Date: 3/6/18

2. Program Dean, Department/Director/Chair
   Date: 3/6/18

3. College Curriculum Committee
   Date: 11/13/18

4. College Dean (or Designate)
   Date: 11/13/18

5a. University Curriculum Committee
    Date

5b. Budget and Long Range Planning Committee (if applicable)
    Date

6. Academic Senate
   Date

7. Provost (or Designate)
   Date

8. President
   Date

9. Date to Chancellor’s Office (if applicable)
   Date

* Where appropriate, attach a memo on program impact on the unit and the ability of the unit to support it. Check the box next to the signature line to indicate whether a memo has been attached.
MEMORANDUM

TO: CAPC and UCC

FROM: Greig Tor Guthey, Program Director of Environmental Studies

SUBJECT: Program Changes to the Environmental Studies Degree

DATE: March 6, 2018

The Environmental Studies, B.A. needs updating to make some adjustments to the major’s curriculum, and to add additional courses, add new faculty, adjust curriculum in view of these changes, and attend to various housecleaning tasks.

Proposed Catalog Copy Changes: The Program seeks to make the following general catalog copy changes to reflect the recent change in program director and relatively new addition of Prof. Valle as a professor in the program. We also want to simplify maintaining the list of faculty associated with the program, thus “Faculty Affiliates” is the new term for those faculty connected to the program who are listed below the Program Faculty. Therefore:

1) Remove Pamela Stricker as Program Director. Replace with Greig Tor Guthey, Ph.D.
2) Add a new line underneath the Program Director that states “Program Faculty” and enter “Gabriel Valle, Ph.D.” underneath.
3) Please change the current heading for “Faculty” to “Faculty Affiliates” and enter the faculty as noted below

Proposed Program/Curriculum Changes:

4) The program has developed new PSLOs which are noted in the catalog revisions below. The published PSLOs in the current catalog do not reflect the PSLOs of Environmental Studies. Throughout the Fall of 2017 and the Winter of 2018, the committee discussed what the program goals and program direction should be. This led the steering committee to refine its PSLOs from the current 8 goals, some of which include multiple sub-goals, to a shorter list of 6 more general program goals as part of program review. The Program Student Learning Outcomes contained below were approved by the Steering Committee on March 6 2018.

5) The Steering Committee was made aware of a number of additional courses that will be of interest to the program’s students. The following courses need to be added to the “Environmental Studies” road map and also have “environmental studies” added to their list of majors/minors served in degree planner (apparently called “the blue tab.” – I am including this here to make sure that these courses are properly entered in degree planner.)
   a. ANTH 471
   b. ASTR 342 (It was pointed out to the PD that ASTR 342 is a better choice than PHYS 351 which is being deleted from our physical science list).
c. GEOG 110
d. GEOG 120
e. GEOG 310
f. GEOG 450
g. HIST 430
h. PSCI 342c
i. WMST 304

6) The following course is being changed with the concurrently submitted C2 form and so its title needs to be changed. The C2 form involves a change to the title and course description.
   b. New Course Title: ENVS 210: Research Methods in Environmental Studies.

7) The Following courses need to be added to the major as noted in the pages below:
   a. GEOG 110: Introduction to Physical Geography
      i. Justification: The Steering Committee feels that GEOG 110 is a great alternative to ES 100 which is actually a course for the teacher prep program. We are keeping ES 100 on the course matrix to provide flexibility for students.
   b. GEOG 120: Introduction to Geographic Information Systems
      i. Justification: GEOG 120 is the articulated and more comprehensive course in GIS at the community colleges; Moving forward, we are offering GEOG 120 on our campus instead of the current version of ENVS 210. ENVS 210 is being changed to provide broader introduction to a variety of research and analytical methods in environmental studies per the C2 form
   c. GEOG 310: Climate Change and Life in the Anthropocene
      i. Justification: GEOG 310 is a important course for understanding ongoing changes to the planet per the Steering Committee;
   d. GEOG 450: Parks and Protected Areas
      i. Justification: This is a new course that will appeal to ENVS students; it should go in the Arts and Humanities course bucket.

Note: The ENVS courses (below) are all Prof. Valle’s new courses for ENVS and should be added to the major as indicated in parentheses below. These courses are a natural part of Prof Valle’s course development in the program and I believe that CHABSS CAPC is currently reviewing these classes. This P2 merely officially adds these courses to the program.

e. ENVS 301: Place, Power, and the Environment (Upper Division Requirement)
f. ENVS 340: Environmental Justice (Upper Division Requirement)
g. ENVS 305: Resilience and Society (Social Science course bucket)
h. ENVS 361: Diet and Planet (Social Science course bucket)
i. ENVS 464: Food Politics and the Environment (Social Science course bucket)

8) Changes to the Program Curriculum: The following changes are being made to the curriculum based on Steering Committee deliberations and changes requested by the CHABSS Chairs, namely adding 3 units in the major to promote interdisciplinarity.
   a. General Education Units should be reduced by 3 to reflect the recent Chancellor’s office executive order...
b. Preparation of the Major units are increased by 1 to reflect the Steering Committee's view that GEOG 120 is a more comprehensive and appropriate course for ENVS students introductory training in GIS. Moreover, it is the articulated course at the community colleges. CSUSM now has the ability to offer this course. Thus the change to the actual course. GEOG 110 is a comprehensive introduction to physical geography and as such is more appropriate for ENVS students. At the time the program started, the campus did not have a physical geography course. Thus ES 100, which is a course focused on teacher prep for K-8 teachers, was used in its place. The Steering Committee believes GEOG 110 is a more appropriate course for ENVS majors and it carries a B1 attribute which can promote flexibility for them. ES 100 does not have this attribute.

c. Major Requirements are being increased by 3 units to accommodate a new upper division elective requirement in our major intended to promote increased interdisciplinarity.

d. The upper division requirements are being augmented by three new classes: ENVS 301, ENVS 340, and GEOG 310. The Steering Committee feels that Prof. Valle's courses should be in the core of the program and not just as electives. It also feels that it is important for our students to understand climate change which is the topic of GEOG 310. All three of these courses promote environmental justice and science based understanding of the environment which are important dimensions of the PSLOs.

e. As a result of increasing required "Core" units, the Steering Committee is reducing the number of elective units in the major across the approved course lists as noted.

Thank you for considering these changes. I am happy to answer any questions.

Sincerely,

[Signature]

Greig Outley
Environmental Studies, B.A.

Program of Study

The Environmental Studies Program offers students an interdisciplinary Bachelor of Arts.
degree with broad training in the physical and life sciences, social sciences, policy and law, and the arts and humanities. The program includes introductory training in geographic information systems and research methods commonly used in environmental careers and opportunities for internships with a variety of environmental groups and agencies.

The core of the degree comprises four general areas:

- Life and Physical Sciences provides the scientific background for the major.
- Social Sciences and Policy exposes students to institutional and legal frameworks of environmental policy, and to processes by which policy is established.
- Research Methods prepares students with the tools — GIS, and research methods — necessary for applied work in the professional areas, and also for graduate studies.
- Environmental Arts and Humanities encourages students to think critically, ethically, and aesthetically about the environment.

Students majoring in Environmental Studies will:

- Describe the major physical processes affecting environmental resources.
- Explain and analyze the impacts of human activity on the environment.
- Critically analyze environmental problems and solutions from multiple perspectives including environmental justice.
- Describe the process of environmental policy development locally, nationally, and globally.
- Evaluate environmental issues from an ethical and aesthetic standpoint.
- Collect, organize, interpret, write about and present research and information about historical and contemporary environmental issues.

Career Opportunities

Students will be prepared to pursue careers in environmental policy, consulting, advocacy, communication, education, law, planning and analysis, and recreation and land management in the public, private and non-profit sectors.

Special Conditions for the Bachelor of Arts in Environmental Studies

A grade of C (2.0) or better must be received in each course taken for the B.A. degree in Environmental Studies or in Preparation for the Major. At least 18 units of the required upper-division courses for the degree must be taken at Cal State San Marcos.

General Education (48 Units)

General Education Requirements

Preparation for the Major (19 Units)
- BIOL 105 - Introduction to Biology/Ecology Units: 3 *
- ENVS 102 - Introduction to Environmental Studies Units: 3 **
  or
- GES 105 - Introduction to Physical Science Units: 3 ****
- GEOG 120: Introduction to Geographic Information Systems: Units: 4
- ENVS 210 - Research Methods in Environmental Studies Units: 2
- ES 100: The Earth and Its Place in the Universe Units: 3
  or
- GEOG 110: Introduction to Physical Geography Units: 3

One of the Following Courses May Be Recommended for Students With Relevant Research Interests:
- PSYC 220 - Introductory Statistics in Psychology Units: 3
- SOC 201 - Introductory Statistics for the Social Sciences Units: 3
- BIOL 215 - Experimental Design and Statistical Analysis Units: 4
- MATH 242 - Introduction to Statistics Units: 3

Note:

*BIOL 105 may also be used to meet the "B2 Life Sciences" lower-division General Education Requirements.
**ENVS 102 may also be used to meet the "D7 Interdisciplinary Social Sciences" lower-division General Education Requirements.
***GES 101 may also be used to meet the "B1 Physical Sciences" and "B3 Laboratory" lower-division General Education Requirements.
****GES 105 may also be used to meet the "B1 Physical Sciences" lower-division General Education Requirements.
*****GEOG 110 may also be used to meet the "B1 Physical Sciences" lower-division General Education Requirements.

Major Requirements (39 Units)
Upper-Division Requirements (21 Units)

- ENVS 301 - Place, Power and the Environment Units: 3
- ENVS 310 - Environmental Impact Analysis Units: 3
- ENVS 340 - Environmental Justice Units: 3
- CHEM 331 - Chemicals and the Environment Units: 3
- GEOG 310 - Climate and Life in the Anthropocene Units: 3
- PHIL 340 - Ethics and the Environment Units: 3
- ENVS 490 - Capstone in Environmental Studies Units: 3

Upper-Division Electives (18 Units)

18 units chosen from courses listed in Arts and Humanities, Social Science, and Natural Sciences with at least 3 units completed in each area. Courses listed in multiple areas can only be counted as part of the six units in one area.

3 Units from the Arts and Humanities or Social Science Electives.

Approved Course Lists

Arts and Humanities

- ANTH 325 - Ancient Mexican Society and Art Units: 3
- ANTH 330 - Medical Ethnography Units: 3
- ANTH 340 - Local Archaeological Practice Units: 3
- ENVS 390 - Special Topics in Environmental Studies Units: 3
- ENVS 495 Units: 1-3
- ENVS 498 Units: 3
- GEOG 450 - Parks and Protected Areas Units: 3
- HIST 340 - Environmental History of the United States Units: 3
- HIST 430 - Seminar in US History (History of Food) Units: 3
- LTHR 346 - U.S. Environmental Literature Units: 3
- PHIL 340 - Philosophy of Technology Units: 3
- YSAR 313 - Digital Arts and the Environment Units: 3
- YSAR 320 - Art and Science: Historical and Contemporary Practice Units: 3
- YSAR 321 - Art, Science and Technology Units: 3

Social Sciences

- ANTH 370 - Environment, Population, and Culture Units: 3
**Physical/Life Sciences**

- **ASTR 342: Elements of Astronomy** Units: 3
- **BIOL 318: Plants and Society** Units: 3
- **BIOL 338: Coastal Environments** Units: 3
- **BIOL 338: Human Impact on the Environment** Units: 3
- **BIOL 339: Conservation Biology** Units: 3
- **BIOL 462: Principles of Conservation Biology** Units: 3
- **BIOL 388: Marine Communities** Units: 3
- **ES 314: The Geosphere in Context** Units: 3
Understand process of ecological systems and how human systems—such as social, cultural, and political systems—interact with the environment on local, regional, and global scales.

Develop an understanding of environmental philosophy, art, and literature with the ability to evaluate environmental issues ethically and aesthetically.

Develop an understanding of the environmental impact review process including concepts such as cost-benefit analysis, risk assessment, mitigation, and the precautionary principle. Gain basic understanding of landmark environmental policy as well as major international environmental accords.

Develop introductory competence in geographic information systems (GIS).

Develop an understanding of environmental justice and critically examine the interactions of human/social systems and the environment, using the lens of race/ethnicity, class and gender and along North-South divide.

Develop strong writing, critical thinking, communicative, and research skills.

Develop an understanding of conflicts over values as well as conflict resolution in environmental issues.

Understand environmental policy making processes locally, nationally, and globally, and how policy is established through formal and informal collective decision making processes involving actors and stakeholders inside and outside of the formal sectors of government.

The degree is designed so that ENVS 100 - Introduction to Environmental Studies addresses all nine learning outcomes at an introductory level. Specific courses reinforce particular learning outcomes as a student progresses.
through the degree. The degree culminates with ENVS 490 - Capstone in Environmental Studies, which integrates the entire coursework to produce an original research project that focuses on intellectual interests and professional objectives of a student. In this spirit, the Capstone project is the ultimate assessment of how well a student satisfied the learning objectives. Thus, it is natural that the initial program evaluation focuses on assessing the degree to which our graduates' capstone projects satisfy the student learning outcomes.
Anthropology approves thank you Greig!

On Mar 9, 2018, at 11:10 AM, Greig Guthey <gguthey@csusm.edu> wrote:

Hi Konane

Just following up on the email below in case you missed it and also I am trying to get everything done to facilitate the curriculum process.

Thanks

Greig Tor Guthey, Director
Environmental Studies Program

Associate Professor of Public Policy and Planning & Geography Coordinator
Department of Liberal Studies
homepage: http://www.csusm.edu/liberalstudies/faculty/greig_guthey.html
geography: http://www.csusm.edu/liberalstudies/geography.html
food project: http://www.csusm.edu/liberalstudies/Food_Project.html

From: Greig Guthey
Sent: Wednesday, March 7, 2018 4:21 PM
To: Konane Martinez
Subject: Adding ANTH 471

Hi Konane

Can you send me an email stating that you approve adding ANTH 471 to the ENVS lists? Bonnie wanted me to add it to the list and I forgot to get your signature on the P2 form for the major

Thanks

Greig Tor Guthey, Director
Environmental Studies Program

Associate Professor of Public Policy and Planning & Geography Coordinator
Hi Greig-
I approve of adding GEOG 110, 120, 310 and 450 to the ENVS course lists. Best wishes, Kim

Hi Kim

Can you send me an email stating that you approve adding GEOG 110, 120, 310 and 450 to the Environmental Studies course lists?

Thanks

Greig Tor Guthey, Director
Environmental Studies Program

Associate Professor of Public Policy and Planning & Geography Coordinator
Department of Liberal Studies
homepage: http://www.csusm.edu/liberalstudies/faculty/greig_guthey.html
geography: http://www.csusm.edu/liberalstudies/geography.html
food project: http://www.csusm.edu/liberalstudies/Food_Project.html
Hi Carmen

I didn't have the ENVS p-2 form ready but I wanted to get your signature on that form as well to authorize adding HIST 430 to the major's lists. I think you can just reply to this email with your support or opposition as the case may be. Thanks for your help

Greig Tor Guthey, Director
Environmental Studies Program

Associate Professor of Public Policy and Planning & Geography Coordinator
Department of Liberal Studies
homepage: http://www.csusm.edu/liberalstudies/faculty/greig_guthey.html
geography: http://www.csusm.edu/liberalstudies/geography.html
food project: http://www.csusm.edu/liberalstudies/Food_Project.html
Re: Adding ASTR 342 Deleting PHYS 351

Michael Burin
Yesterday, 4:44 PM
Greig Guthey

Inbox

Yes, I approve.

Best-

Michael J. Burin
Associate Professor and Chair, Physics
Science Hall 2, CSUSM; 760.750.8575

From: Greig Guthey <guthey@csusm.edu>
Date: Wednesday, March 7, 2018 at 4:01 PM
To: mburin <mburin@csusm.edu>
Subject: Adding ASTR 342 Deleting PHYS 351

Hi Michael

I realized I need to make a change to the major's P form to add the course we discussed yesterday. Can you reply to me stating you approve the change? That is, I am adding ASTR 342 and deleting PHYS 351 from the ENVS course list.

Thanks

Greig Tor Guthey, Director
Environmental Studies Program

Associate Professor of Public Policy and Planning & Geography Coordinator
Department of Liberal Studies
homepage: http://www.csusm.edu/liberalstudies/faculty/greig_guthey.html
geography: http://www.csusm.edu/liberalstudies/geography.html
food project: http://www.csusm.edu/liberalstudies/Food_Project.html
Hi Greg,

Sure -- PSCI supports the addition.

Thanks,

Steve

On Mar 7, 2018, at 4:27 PM, Greig Guthey <guthey@csusm.edu> wrote:

Hi Steve

I needed to get your signature on one other form, the P2 form for environmental studies. The signature approves adding Pamela's PSCI 342c to the program's course lists. Can you reply to this email stating your support or opposition?

Thanks

Greig Tor Guthey, Director
Environmental Studies Program

Associate Professor of Public Policy and Planning & Geography Coordinator
Department of Liberal Studies
homepage: http://www.csusm.edu/liberalstudies/faculty/greig_guthey.html
geography: http://www.csusm.edu/liberalstudies/geography.html
food project: http://www.csusm.edu/liberalstudies/Food_Project.html
Dear Greg,

You can ask me as many favors as you need 😊. Happy to help in any way I can.

Yes, of course, I fully support adding WMST 304 (Ecofeminism) to the list of ENVS courses. Thank you for adding this course to your program.

Have a nice evening,
Veronica

Dr. Veronica Anover
Professor, French and Spanish / Modern Language Studies Department
Chair / Women Studies Department
Interim Faculty Director / Office of Service Learning / Division of Community Engagement
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California State University San Marcos
San Marcos, CA 92096

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“When I let go of what I am, I become what I might be.” – Lao Tzu

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From: Greig Guthey
Sent: Wednesday, March 7, 2018 4:25 PM
To: Veronica Anover <vanover@csusm.edu>
Subject: WMST 304

Hi Veronica