

ENVS 130: ENVIRONMENTAL TOXICOLOGY

In Workflow

1. ENVS Committee Chair (wayne.linklater@csus.edu)
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10. Registrar's Office (wlindsey@csus.edu)
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Approval Path

1. Thu, 30 Sep 2021 18:46:31 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Committee Chair
2. Thu, 30 Sep 2021 18:47:40 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
3. Thu, 21 Oct 2021 05:32:03 GMT
Tristan Josephson (tristan.josephson): Rollback to Initiator
4. Thu, 21 Oct 2021 20:44:18 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Committee Chair
5. Thu, 21 Oct 2021 20:44:43 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
6. Fri, 22 Oct 2021 19:23:16 GMT
Tristan Josephson (tristan.josephson): Approved for SSIS College Committee Chair
7. Fri, 22 Oct 2021 19:58:53 GMT
Marya Endriga (mendriga): Approved for SSIS Dean

History

1. Sep 27, 2021 by Janett Torset (torsetj)

Date Submitted: Thu, 21 Oct 2021 20:42:58 GMT

Viewing: ENVS 130 : Environmental Toxicology

Last approved: Mon, 27 Sep 2021 18:10:08 GMT

Last edit: Thu, 21 Oct 2021 20:42:57 GMT

Changes proposed by: Wayne Linklater (223005380)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Wayne Linklater	wayne.linklater@csus.edu	916-278-6671

Catalog Title:

Environmental Toxicology

Class Schedule Title:

Environmental Toxicology

Academic Group: (College)

SSIS - Social Sciences & Interdisciplinary Studies

Academic Organization: (Department)

Environmental Studies

Will this course be offered through the College of Continuing Education (CCE)?

No

Catalog Year Effective:

Fall 2022 (2022/2023 Catalog)

Subject Area: (prefix)

ENVS - Environmental Studies

Catalog Number: (course number)

130

Course ID: (For administrative use only.)

131641

Units:

3

Is the primary purpose of this change to update the term typically offered or the enforcement of prerequisites at registration?

No

In what term(s) will this course typically be offered?

Spring term only

Does this course require a room for its final exam?

Yes, final exam requires a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Justification for course proposal:

The Department of Environmental Studies has, for about 10 years previously, accepted CHEM 1A as well as CHEM 6A as a prerequisite for ENVS 130. This Form A simply aligns the university catalogue with precedent and practice.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)

Students will study the source and occurrence of contaminants in the environment; their fate and transport; and their adverse effects on humans and non-human species, populations and ecosystems. The course focuses on studying environmental issues concerning human and ecosystem health, and the impact of human activity since World War II in contributing to human disease and ecosystem disruption. Risk perception and communication as it concerns environmental toxicology will also be discussed.

Are one or more field trips required with this course?

No

Fee Course?

No

Is this course designated as Service Learning?

No

Does this course require safety training?

No

Does this course require personal protective equipment (PPE)?

No

Does this course have prerequisites?

Yes

Prerequisite:

CHEM 1A or CHEM 6A or instructor permission.

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Discussion

Discussion Classification

CS#04 - Lecture /Recitation (K-factor=1 WTU per unit)

Discussion Units

3

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."

Upon completion of this course, students should be able to:

- (1) recall the principles of environmental toxicology and the major contemporary issues relevant to human health;
- (2) describe the occurrence, fate, and transport of major toxicants in the environment;
- (3) identify the basic biological processes and physiochemical mechanisms through which toxicants exert their effects human and non-human organisms as well as at higher levels of biological organization;
- (4) illustrate and appraise human health risk, and how risk assessment is connected with risk management, risk perception, and risk communication; and
- (5) apply the above knowledge and concepts in a variety of settings including decisions regarding environmental management and in creating and implementing environmental policy.

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.

Student learning is assessed through a submitted project, two in-term exams, a final exam and smaller quizzes and assignments through the semester.

The project is worth 20% of the final grade and is focused on ELO 4.

The in-semester assignments, quizzes, exams and the final exam primarily assess ELOS 1, 2 and 3.

Is this course required in a degree program (major, minor, graduate degree, certificate?)

No

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines
Knowledge of human cultures and the physical and natural world
Integrative learning
Intellectual and practical skills

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Please attach any additional files not requested above:

ENVS 130, Master syllabus for Form A.docx
consultation with Chemistry over ENVS 130.pdf

Reviewer Comments:

Tristan Josephson (tristan.josephson) (Thu, 21 Oct 2021 05:32:03 GMT): Rollback: Please see email dated 10/20/21 for requested changes.

Key: 2073