

# ENVS 236: CLIMATE CHANGE SCIENCE AND GOVERNANCE

## In Workflow

1. ENVS Committee Chair (wayne.linklater@csus.edu)
2. ENVS Chair (wayne.linklater@csus.edu)
3. SSIS College Committee Chair (flamenbaum@csus.edu)
4. SSIS Dean (mendriga@csus.edu)
5. Academic Services (catalog@csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (gardner@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (k.mcfarland@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Wed, 28 Sep 2022 23:36:37 GMT  
Wayne Linklater (wayne.linklater): Approved for ENVS Committee Chair
2. Wed, 28 Sep 2022 23:44:32 GMT  
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
3. Fri, 18 Nov 2022 13:35:32 GMT  
Emily Wickelgren (wickelgr): Rollback to Initiator
4. Wed, 28 Jun 2023 20:31:41 GMT  
Wayne Linklater (wayne.linklater): Rollback to Initiator
5. Fri, 28 Jul 2023 21:38:43 GMT  
Wayne Linklater (wayne.linklater): Approved for ENVS Committee Chair
6. Tue, 12 Sep 2023 20:15:19 GMT  
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
7. Sat, 07 Oct 2023 23:56:41 GMT  
Rachel Flamenbaum (flamenbaum): Approved for SSIS College Committee Chair
8. Mon, 16 Oct 2023 22:08:08 GMT  
Marya Endriga (mendriga): Approved for SSIS Dean
9. Wed, 01 Nov 2023 23:15:26 GMT  
Katie Hawke (katiedickson): Approved for Academic Services

## New Course Proposal

Date Submitted: Thu, 13 Jul 2023 20:31:33 GMT

**Viewing: ENVS 236 : Climate Change Science and Governance**

**Last edit: Wed, 01 Nov 2023 23:15:18 GMT**

Changes proposed by: Ajay Singh (219697401)

**Contact(s):**

| Name (First Last) | Email          | Phone 999-999-9999 |
|-------------------|----------------|--------------------|
| Ajay Singh        | Singh@csus.edu | 9162786751         |

**Catalog Title:**

Climate Change Science and Governance

**Class Schedule Title:**

Climate Sci and Gov

**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 2024 (2024/2025 Catalog)

**Subject Area: (prefix)**

ENVS - Environmental Studies

**Catalog Number: (course number)**

236

**Course ID: (For administrative use only.)**

TBD

**Units:**

3

**Is the only purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?**

No

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

Fall, Spring

**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:**

This course will be included in the proposed MS in ENVS program as a policy elective. This course will cover the science and policy governing responses to climate change and its impacts. Currently, there are no graduate level climate policy courses offered. When surveyed, employers recommended students learn the nexus between science and government

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

Climate change is one of the most pressing environmental and social issues of our lifetime. The course will cover the current scientific evidence for climate change, climate science communication, public perception, the role of risk and uncertainty in decision-making, current U.S. and state policies, actions being taken to address the issue, and the ethical dimensions of the policy choices.

**Are one or more field trips required with this course?**

No

**Fee Course?**

No

**Is this course designated as Service Learning?**

No

**Is this course designated as Curricular Community Engaged 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:**

Graduate standing 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):**

Lecture

**Lecture Classification**

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

**Lecture 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 and Assessment Strategies:**

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

|   | Expected Learning Outcome  | Assessment Strategies   |
|---|--|---|
| 1 | To analyze both climate science and policy-making processes  | Annotated Bibliography, Short Papers, Final Paper and Presentation [PLO 1, 2, 3, 5]                                     |
| 2 | To evaluate the role of media in influencing and shaping public opinion and policy   | Participation and Engagement, Annotated Bibliography, Short Papers, Final Paper and Presentation [PLO 3, 5]             |
| 3 | To communicate the policy process and analyze policy development in response to scientific information and public perception | Participation and Engagement, Annotated Bibliography, Short Papers, Final Paper and Presentation [PLO 2, 4, 5]          |
| 4 | To synthesize and communicate climate data and current public policy   | Short Papers, Final Paper and Presentation [PLO 4, 5, 6]  |
| 5 | To appraise the risks and uncertainty about climate impacts, and policy solutions  | Participation and Engagement, Annotated Bibliography, Short Papers, Final Paper and Presentation [PLO 1, 2, 3, 4, 5, 6] |

**Attach a list of the required/recommended course readings and activities:**

ENVS 236 Climate Change Science and Governance 20230713.docx

**For whom is this course being developed?**

Majors in the Dept

Majors of other Depts

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

Yes

**Has a corresponding Program Change been submitted to Workflow?**

Yes

**Identify the program(s) in which this course is required:**

**Programs:**

MS Environmental Studies

**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**

**Graduate (Masters) Learning Goals:**

Disciplinary knowledge  
Communication  
Critical thinking/analysis  
Information literacy  
Professionalism  
Intercultural/Global perspectives

**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

**Is this a Graduate Writing Intensive (GWI) course?**

No

**Please attach any additional files not requested above:**

ENVS 236 Climate Change Science and Governance.docx

**Reviewer Comments:**

**Emily Wickelgren (wickelgr) (Fri, 18 Nov 2022 13:35:32 GMT):** Rollback: see email on 11/17/22

**Wayne Linklater (wayne.linklater) (Wed, 28 Jun 2023 20:31:41 GMT):** Rollback: see email 6/28/23

Key: 14818