HUMAN145 : Human Responses to Climate Crisis

General Information

Author:	• Joanna Parypinski
Course Code (CB01) :	HUMAN145
Course Title (CB02) :	Human Responses to Climate Crisis
Department:	HUMAN
Proposal Start:	Spring 2025
TOP Code (CB03) :	(4903.00) Humanities
CIP Code:	(24.0103) Humanities/Humanistic Studies.
SAM Code (CB09) :	Non-Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000644455
Curriculum Committee Approval Date:	02/28/2024
Board of Trustees Approval Date:	04/16/2024
Last Cyclical Review Date:	02/28/2024
Course Description and Course Note:	HUMAN 145 is an interdisciplinary course that addresses the climate crisis through the lens of the humanities. With the scientific underpinnings of climate science, including geology and oceanography, students will explore how human thought, culture, and artistic expression reflect and respond to this global crisis. The course emphasizes that emotional and cultural resonances are often more impactful than data alone, that hope is a necessary climate change resource, and that various communities, cultures, and nations have already enacted many solutions. This course may be team-taught.
Justification:	New Course
Academic Career:	• Credit

Academic Senate Discipline

Primary Discipline:	• Humanities
Alternate Discipline:	• Geography
Alternate Discipline:	• Earth Science

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

Course Special Class Status (CB13)

Course is not a special class.

Grading Basis

- Grade with Pass / No-Pass Option

Allow Students to Gain Credit by Exam/Challenge

Pre-Collegiate Level (CB21)

Not applicable.

Course Support Course Status (CB26)

Course is not a support course

Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Transferable to both UC and CSU

Transferability Status

Approved

Cal-GETC	Area	Status	Approval Date	Comparable Course
Area 3B: Humanities	Humanities	Pending	No value	No Comparable Course defined.

Units and Hours

Summary

Minimum Credit Units (CB07)	3
Maximum Credit Units (CB06)	3
Total Course In-Class (Contact) Hours	54
Total Course Out-of-Class Hours	108
Total Student Learning Hours	162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience Education Status (CB10)

Variable Credit Course

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	54
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	0
Studio	0

Total	54

Course Out-of-Class Hours

Lecture	108
Laboratory	0
Studio	0
Total	108

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Advisory

ESL151 - Reading And Composition V

Objectives

- Read and critically analyze various academic readings.
- Summarize readings.
- Organize fully-developed essays in both expository and argumentative modes.
- Compose a 500 to 550-word essay which: summarizes and cites appropriately a reading passage; includes a clear thesis statement; uses evidence to support the thesis; shows clear organization into an introduction, body, and conclusion.
- Revise writing to eliminate errors in syntax, and grammatical constructions.
- Employ basic library research techniques.
- Compose one research paper (1,000 words) or two short research papers (500-700 words each) with citations.

OR

Advisory

ENGL101 - Introduction to College Reading and Composition

Objectives

- Read, analyze, and evaluate a variety of primarily non-fiction readings for content, context, and rhetorical merit with consideration of tone, audience, and purpose.
- Apply a variety of rhetorical strategies in writing unified, well-organized essays directed by a well-reasoned thesis statement with persuasive support.
- Develop varied and flexible strategies for generating, drafting, and revising essays.
- Analyze stylistic choices in their own writing and the writing of others.
- Write timed, in-class essays exhibiting acceptable college-level control of mechanics, organization, development, and coherence.
- Integrate the ideas of others through paraphrasing, summarizing, and quoting without plagiarism.
- Find, evaluate, analyze, and interpret primary and secondary sources, incorporating them into written essays using appropriate documentation format.
- Proofread and edit essays for presentation so they exhibit no disruptive errors in English grammar, usage, or punctuation.

Entry Standards

Entry Standards

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction	Collaborative Learning
Methods of Instruction	Demonstrations
Methods of Instruction	Discussion
Methods of Instruction	Lecture
Methods of Instruction	Presentations
Methods of Instruction	Guest Speakers
Methods of Instruction	Field Activities (Trips)

Out of Class Assignments

- Journal and Informal Writing: (e.g., Reflect on a recent scientific publication or report on climate change. Discuss the key findings, their implications, and how they could be communicated through a humanities medium such as visual art, music, dance, or literature.)
- Preparation for Group and Online Discussion: (e.g., Research the geological and oceanographic aspects of climate change. Prepare to discuss how these scientific dimensions have been represented in a specific piece of climate-themed literature or artwork.)
- Individual or Group Projects: (e.g., Create a climate-themed piece of art, music, dance, or short story that incorporates scientific data or concepts. Reflect on your creative process and how you translated the scientific information into your chosen medium.)
- Field or Campus Activity: (e.g., See a local exhibition or performance featuring climate-themed art, dance, theater, music, or literature, attend a climate-focused event in your community, or watch a climate-themed movie or documentary. Write an essay analyzing its presentation of the climate crisis, its communication model ("deficit" or "hope"), and its potential influence on its audience to drive change.)

- Research Assignments: (e.g., Investigate a global response to the climate crisis, emphasizing the emotional, cultural, and societal aspects of the narrative. Alternatively, select a specific region or community and examine its unique climate challenges and responses, focusing on how cultural norms and beliefs shape its approach to the crisis.)

Methods of Evaluation	Rationale
Writing Assignment	Reading responses and other informal writing
Project/Portfolio	Group projects, including debates, presentations, and multi-modal or multi-media projects
Exam/Quiz/Test	Quizzes
Exam/Quiz/Test	Essay examinations

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
Elin Kelsey	Hope Matters: Why Changing the Way We Think Is Critical to Solving the Environmental Crisis	Greystone Books	2020	978-1771647779
Dahr Jamail and Stan Rushworth	We Are the Middle of Forever : Indigenous Voices from Turtle Island on the Changing Earth	The New Press	2022	978-1620976692
Sarena Ulibarri	Glass and Gardens: Solarpunk Summers: an Anthology	World Weaver Press	2018	978-0998702278
Lynne Quamby	Watermelon Snow: Science, Art, and a Lone Polar Bear	McGill-Queen's University Press	2020	978-0228005094
Mark Maslin	Climate change: a very short introduction	Oxford University Press	2023	978-0198867869
Vivien Gornitz	Vanishing Ice: Glaciers, Ice Sheets, and Rising Seas	Columbia University Press	2019	978-0231548893
Paolo Bacigalupi	The Water Knife	Alfred A. Knopf	2015	978-0385352871
Paul Bierman	Geology and the Environment: Living with a Dynamic Planet	Cengage	2024	978-0357851654
Nnedi Okorafor	Zahrah the Windseeker	Houghton Mifflin	2005	978-0618340903

John Perlin	Let it Shine: The 6,000-Year Story of Solar Energy	New World Library	2013	978-1608681327

Other Instructional Materials (i.e. OER, handouts)

Description	Environmental Science 101
Author	Jason Hlebakos
Citation	Hlebakos, Jason. "Environmental Science 101." Geosciences LibreTexts, 18 Aug. 2022, geo.libretexts.org/Courses/Mt._San_Jacinto_College/Environmental_Science_101.
Online Resource(s)	

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Analyze the scientific dimensions of climate change, describing the roles of geology and oceanography and their intersection with humanities disciplines.

Evaluate the influence of human thought, culture, and artistic expression in the narrative of the climate crisis.

Critically analyze the "deficit" vs. "hope" models of communication in the context of the climate crisis.

Apply climate science to a humanities project, such as a piece of visual art, architecture, music, dance, or literary work.

SLOs

Synthesize and translate scientific data on climate change into accessible narratives using techniques from literature, visual art, architecture, music, and dance. Expected Outcome Performance: 70.0

Critically appraise cultural, social, and personal aspects of the climate crisis, recognizing their importance alongside scientific facts. Expected Outcome Performance: 70.0

Create informed, artistic, or creative responses to the climate crisis. Expected Outcome Performance: 70.0

Effectively communicate the complexity of the climate crisis and potential solutions, fostering climate awareness and encouraging societal change. Expected Outcome Performance: 70.0

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Climate Science Intersection with Humanities (12 hours)

- The role of geology and oceanography in climate science
- The human influence on climate change
- The climate crisis in historical and cultural context
- The "deficit" vs. "hope" model of communication and its implications in the climate crisis
- The role of hope in climate change narratives
- Introduction to climate "stories" in the arts
- Architecture as expression of cultural relationship to the environment

Climate Fiction (10 hours)

- Analysis of climate-themed literature
- Use of literature to translate scientific data
- The role of literature in shaping public perception of the climate crisis
- Climate Dystopias vs. Utopias
- Use of literature to communicate climate-related cultural beliefs and norms

Visual Art, Music, and Dance as Climate Communication Tools (12 hours)

- Role of music and dance in climate change narratives
- Exploration and interpretation of climate-themed visual art
- Creative process of transforming scientific data into visual, musical, and dance expressions
- Metaphor and symbolism

Sociocultural Perspectives and Climate Justice in the Anthropocene (8 hours)

- Climate Justice
- Ecopsychology
- Ecofeminism
- Environmental racism
- Values, climate beliefs, climate denial
- Sociocultural approaches to climate science and climate-related arts

Responses and Solutions to the Climate Crisis (8 hours)

- Overview of global, community, and individual climate crisis responses
- Discussion on enacted and proposed solutions
- The role of emotional engagement in climate change communication
- Explore future possibilities for climate action
- Intersections between climate response, humanities, and science

Translating Climate Science into Emotionally Engaging Narratives (8 hours)

- Apply design thinking to the problem of the gap between scientific understanding and public perception
- Techniques for effectively communicating complex climate science
- The power of narrative in inspiring climate action
- Collaboration and cross-disciplinary projects

Creating a Climate Response (8 hours)

- Use the framework of human-centered design and design-thinking to research, develop, and execute a final project combining climate science with a chosen humanities discipline
- Public presentations

Total Hours: 54