

# ACADEMIC SENATE – Sustainability Committee

Fall 2023

Due: Friday, December 22, 2023

MEMBERS	
Name	College/Unit
Anderson, Paul	CENG
Dao, Linh	CLA
Elliot, Dennis	Admin
Fulton, Chloe	ASI
Kathuria, Ajay	OCOB
Ortiz, Alaina	ASI
Palazzo, Anthony	Admin
Pearse, Erin	CSM
Peters, Jason (CH)	CLA
Shen, Sandy	CAFES
Singh, Kylee	Admin
Stannard, Sandy	CAED
Telesetsky, Anastasia (CH Fall 23)	CAFES
Winslow, Dianna	Admin
Vacant	PCS

CHARGES		
Charge	Complete?	Status/Notes
Implement AS-787-14 (“Resolution on Sustainability”). <b>Ongoing</b>	<input type="checkbox"/>	This work was left for Winter/Spring 2024
Revise the Sustainability Learning Objectives. <b>AY 2023-24</b>	<input type="checkbox"/>	This work was left for Winter/Spring 2024. Members who attended meetings had brief discussions about the need to have clarification on sustainability learning objectives. Most of the effort in deciding whether a class would qualify as a SUSCAT class focused on reading the detailed course description because answers to the SLO were often vague and unhelpful in making determinations about whether a class was or was not sustainability class and then whether it was focused or inclusive.
Discuss revising and replacing AS-787-14 (“Resolution On Sustainability”) and as-792-15_rev (“Resolution on Approving Assessment Process for Courses Meeting	<input type="checkbox"/>	This work was left for Winter/Spring 2024

Sustainability Learning Objectives”). <b>Ongoing</b>		
Create a sustainability graduation requirement. <b>Ongoing</b>	<input type="checkbox"/>	This work was left for Winter/Spring 2024
Work with ASI, Facilities, and other campus stakeholders to connect sustainability education with co-curricular activities and campus life. <b>Ongoing</b>	<input type="checkbox"/>	This work was left for Winter/Spring 2024
Assist university facilities staff and administrators in efforts to achieve a carbon-neutral, zero-emissions, AASHE-STARS platinum-rated campus. <b>Ongoing</b>	<input type="checkbox"/>	This work was left for Winter/Spring 2024
Discuss impact of quarter-to-semester conversion on sustainability policy and draft revision plans as needed. <b>Ongoing through conversion</b>	<input type="checkbox"/>	The only work done by the committee this semester was on determining whether classes (both new and revised) should qualify or not as SUSCAT classes.
Review and modify committee procedures and bylaws as needed. <b>Ongoing</b>	<input type="checkbox"/>	This work was left for Winter/Spring 2024

### **MEETING NOTES:**

**Friday September 22, 2023** 10-11, 2023

In person and on-zoom

Attendance- Anastasia Telesetsky, Dianna Winslow, Erin Pearse, Vidya Schalk

Regrets- Paul Anderson, Linh Dao, Ajay Kathuria (on sabbatical), representative from Antony Palazzo’s office (RSVP but not available at the last minute

The committee met to discuss SUSCAT class submissions to determine which classes should qualify for listing as a sustainability course for the upcoming semester process. The Committee members reviewed together the on-line submissions for each course, the description of how the class met the sustainability learning objectives, and the proposed teaching subjects. If 50% or more of the class was focused on sustainability teaching objectives including specific class units or projects on sustainability topics then the group considered the class to be a Sustainability Focused class. For a class providing lectures, assignments, or labs that provided at least 20% content on sustainability - related topics or skills, we called the class a Sustainability Inclusive class.

The Registrar’s office asked that each of the College of Liberal Arts class be reviewed first followed by College of Engineering Classes then College of Ag, Food, and Environmental

Sciences followed by the College of Business and then followed by the College of Architecture and Environmental Design

Classes that were approved as sustainability focused

CLA HIST 4432 United States Environmental history  
CLA HIST 3311- Comparative World Environmental History and Sustainability  
CLA ENGL 3315- Writing Sustainability, Equity and Resilience  
CENG ENVE 1147- Critical Thinking about Climate Change  
CENG CE 3337: Water Resources & Environmental Engineering  
CAGR ASCI 2232: Small Ruminant and Rangeland Management  
CAGR PLSC 4411- Climate Smart Agriculture  
CAGR NR 4414- Sustainable Forest Management and Forest Operations  
CAGR NR PLSC 1123- Introduction to Sustainable Site Horticulture  
CAGR NR PLSC 3332- Sustainable Site Design and Systems  
CAGR NR 3324- Social Dimensions of Sustainable Food Systems  
CAGR NR 4442: Environmental Life-Cycle Analysis  
CAGR BRAE 3349: Water for a Sustainable Society  
CAGR NR 4445: Systems Thinking in Environmental Management  
CAGR NR 3328: Environmental Leadership and Community Engagement  
CAGR NR BRAE 3348: Energy for a Sustainable Society  
CAGR SS1130 Soils in Environmental and Agricultural Systems  
CAGR NR 3304: Agroecology  
CAGR NR 3323: Human Dimensions in Natural Resource management  
CAGR NR 4404: Environmental law  
CAGR ERSC 3335: Soil, Water and Civilization  
CAGR NR 4417: Natural Resource Protection and Policy  
CAGR NR 4416- Environmental Impact Analysis and Management  
CAGR NR 4408- Water Resource Law and Policy  
CAED LA2203: Landscape Ecology: Concepts, Issues, and Interrelationship  
CAED LA3304: Contemporary Issues in Cultural Landscape  
CSM MSCI 4439: Marine Fisheries and Conservation  
CSM BIO 4443 Climate Change Biology

Classes that were approved as sustainability-inclusive

CAGR NR-4452 Leadership Seminar on Issues Affecting California Agriculture and Natural Resources

Class approved- Unclear whether it was sustainability-focused or inclusive- (no notes) CSM MSCI 1111: The Oceans

**Wednesday November 15, 2023- 11:00-12:00 On-Zoom**

Attendance- Anastasia Telesetsky, Kylee Singh, Sandy Shen, Sandy Stannard (part of the meeting)  
Regrets- Antony Palazzo, Linh Dao, Erin Pearse, Ajay Kathuria (on sabbatical), Dianna Winslow  
No longer a member- Chloe Fulton

In addition to approximately 25 classes that we previously approved for inclusion as part of the catalogue for Sustainability-Class related Listing, we approved an additional 6 classes as sustainability-focused/inclusive.

These classes were

PSC 3392 Collaboratively Developing Sustainable Technologies Globally- Sustainability-focused

UNIV 3391 Engaging in Sustainable Global Development- Sustainability focused

SCM 360- Selected Environmental Issues of the California Coast- Sustainability-focused

EDES 4408 Implementing Sustainability Principles- Sustainability focused

EDES 1123- Place, People, and the Built Environment- Sustainability-focused

CE1110- Introduction to Civil Engineering Sustainability inclusive

Nine of the classes to be reviewed by the committee are senior projects. We had a discussion about whether senior projects should be included as sustainability-focused/inclusive because there may be multiple sections/instructors associated with these projects who may have different philosophies associated with how they teach the class. Some of the senior projects appeared to have 1 instructor.

The following classes will need to be reviewed by the committee in Winter 2024. The registrar has requested that each of the College of Engineering Classes be reviewed first followed by the College of Ag, Food, and Environmental Sciences followed by the College of Business and then followed by the College of Architecture and Environmental Design

We began discussing one of the engineering classes on nuclear energy. We did not finish our discussion. We had a concern that even though the class was looking at next-generation nuclear generation that it did not have any explicit content on examining the challenge of managing waste products associated with nuclear generation. This may be a recommendation for the class proposer to incorporate or to make more explicit if it is something that is already part of the class. The remaining classes in the committee's work flow are.

CENG-

CE 3336 Environmental Fluid Mechanics and Hydraulic Systems

CE 4466 Senior Design Project 1

CE 4467 Senior Design Project 2

ME 4437 Nuclear Energy Power generation

ME4438 Nuclear Power Plant Design and Operation

ME 4439 Nuclear Energy Resources

ME 4456 HVAC, Air and Water Distribution for Sustainable Building Environments

ME4457 Environmental Efficient and Sustainable Refrigeration Systems

ME 4465 HVAC Senior Project i

ME 4468 HVAC senior Project Design 2

CAFES

BRAE 2220 Introduction to Biological Systems

FSDC 3330 Food Processing and Engineering

FSN 1111 Elements of Food Processing

NR 1140- Careers in Natural Resources Management and Env. Sciences

NR3335 Conflict Management in Natural Resources  
NR 4462 Senior Project- Applied Resource Analysis and Assessment  
NR4464 Senior Project- Environmental Policy Analysis  
NR4478 Senior Project Current Topics in Environmental Science/Management  
SS1120 Introductory Soil Science  
SS3321 Soil Morphology  
SS4440 Forest and Range Soils

College of Business  
GSB5562 Strategy in the Global Environment  
GSB5563 International Business Tour

College of Architecture  
ARCH3341 Architectural Systems Integration 1  
ARCH3342 Architectural Systems Integration 2  
ARRCH 4401 Advanced Architectural Design