

**To:** Cal Poly Academic Senate  
**From:** David Braun  
Chair, Academic Senate Sustainability Committee  
**Re:** Winter 2015 Quarterly Report  
**Date:** March 19, 2015

The Committee met five times during Fall quarter. Committee meetings focused on the Committee's first charge to respond to AS-787-14 by developing a process to identify sustainability courses. We completed soliciting stakeholder feedback and incorporated the feedback into a process that went before the Executive Committee in February and received a first reading in the Senate during their March 10 meeting. Below, please find details on progress made on all Committee Charges.

**ASSC Committee Charges for 2014-15:<sup>1</sup>**

- Respond to AS-787-14
  - Develop a process to identify courses meeting at least two SLOs
  - Produce a list of courses meeting at least two SLOs.
- Respond to 2014 CSU Sustainability Policy directives.
- Continue assessing SLOs. Prepare and deliver report.
- Tag GE courses using process approved in response to AS-787-14.
- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum.
- Promote/extend the Green Campus/Star Certification.
- Determine the role of sustainability in the University's strategic plan/action plan.
- Develop procedures and guidelines.
- Work with GEGB to develop sustainable pathways in GE.

**ASSC Committee Progress on Charges for 2014-15:**

- Respond to AS-787-14
  - Develop a process to identify courses meeting the SLOs
    - [Stakeholder needs drafted, revised, approved](#)
    - [Requirements and specifications drafted, revised, approved.](#)
    - [Listed and used lessons learned from 2012 pilot GE course assessment.](#)
    - [Performed and used lessons learned from 2012 and Fall 2014 norming exercises.](#)
    - [Key stakeholder feedback solicited, received, and used for revision.](#)
    - [Rubric revised and approved.](#)
    - [Process components listed and revised.](#)
    - [Process drafted, revised, approved, and sent to Ex-Com.](#)
    - [Senate first reading took place 3-10-15](#)
  - Produce a list of courses meeting the SLOs.
- Respond to 2014 CSU Sustainability Policy directives.
  - [Resolution on responsibilities sent to Ex-Com.](#)

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<sup>1</sup> [www.academicsenate.calpoly.edu/content/acadsen\\_comm/sustainability](http://www.academicsenate.calpoly.edu/content/acadsen_comm/sustainability)

- Continue assessing SLOs. Prepare and deliver report.
  - Only discussed briefly.
- Tag GE courses using process approved in response to AS-787-14.
  - Awaits completing first charge.
- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum.
  - Only discussed briefly.
- Promote/extend the Green Campus/Star Certification.
  - Only discussed briefly.
- Determine the role of sustainability in the University's strategic plan/action plan.
  - Several committee members participated in and reported on the Master Plan Advisory Committees meeting this quarter.
- Develop procedures and guidelines.
  - Sent to Ex-Com.
  - Agendized for their 10-14 meeting, but not covered due to time.
  - Discussed at 11-4 meeting. The ExCom passed a motion to have us revise the procedures and guidelines document.
    1. A subsequent email from the Provost corrected the title of one of our members to make it consistent with the AS Bylaws.
    2. The Provost email and a conversation with Gary Laver asked us to change the designation of "Academic Dean" to "Academic Dean or Associate Dean."
    3. Gary Laver directed us to submit the revised procedures and guidelines at the end of the quarter with our end-of-quarter report.
    4. The request to extend ASSC responsibilities to include the CSU Sustainability Policy goes to the Senate as part of their Winter quarter review of Academic Senate Bylaws.
  - Senate first reading took place 3-10-15
- Work with GEGB to develop sustainable pathways in GE.
  - Charge added by ExCom on Nov. 4, 2014. Awaits SUSCAT course list.

#### **Report Appendices:**

Resolution on Approving Assessment Process for Courses Meeting Sustainability  
Learning Objectives  
ASSC SUSCAT Assessment Process Draft V4  
Meeting Minutes

p. 3  
p. 4-11  
p. 12-23

Adopted:

**ACADEMIC SENATE  
of  
CALIFORNIA POLYTECHNIC STATE UNIVERSITY  
San Luis Obispo, CA**

**AS-\_\_-15**

**RESOLUTION ON APPROVING ASSESSMENT PROCESS FOR COURSES  
MEETING SUSTAINABILITY LEARNING OBJECTIVES**

1 WHEREAS, Resolution AS-787-14 “Resolution on Sustainability”, directs the Academic Senate  
2 Sustainability Committee to develop a list of classes based on a revised Senate accepted  
3 assessment process that meet the Sustainability Learning Objectives; therefore be it  
4

5 RESOLVED: That the Academic Senate approve the attached document “Draft Process to Vet  
6 Sustainability Courses for SUSCAT” as a Senate accepted assessment process; and be it  
7 further  
8

9 RESOLVED: That all recommendations regarding which courses to list on SUSCAT be placed on the  
10 Academic Senate’s consent agenda.

Proposed by: Sustainability Committee  
Date: January 12, 2015  
Revised: March 16, 2015

## Draft Process to Vet Sustainability Courses for Suscat

AS-787-14 resolved “That the Academic Senate Sustainability Committee be directed to develop a list of classes based on a revised Senate accepted assessment process that meet the Sustainability Learning Objectives.” In responding to this resolution, the Academic Senate Sustainability Committee (ASSC) made progress during Fall quarter 2014 by following a simplified Engineering Design Process Flow. Stated in a somewhat simplified manner, the Engineering Design Process uses the following steps:

1. Identify the process stakeholders
2. Define the stakeholders' needs
3. Translate the stakeholders' needs into requirements and specifications
4. Design a process to meet the requirements and specifications
5. Implement and test the Policy.

Figure 1 shows the intended process development and application timeline.

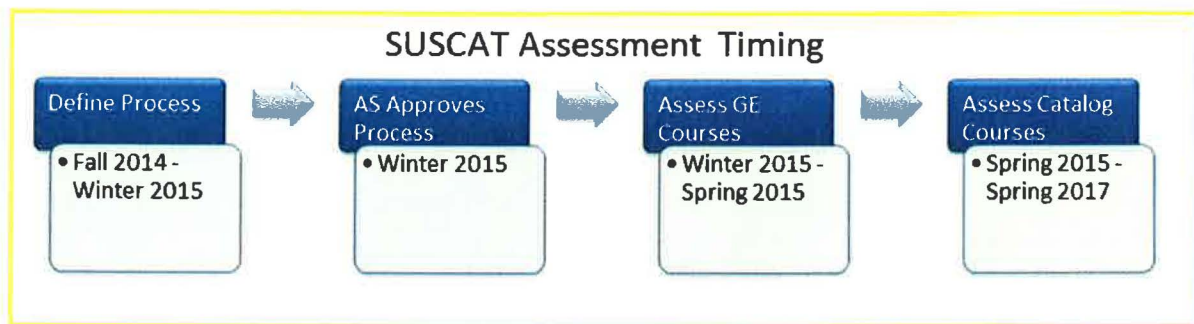


Figure 1 SUSCAT Assessment Timeline

During Fall quarter 2014 and January 2015, the process moved through steps 1, 2, 3, and 4, informed by feedback received from key stakeholders. This document contains the results of steps 1–4.

### 1. Identify the process stakeholders

The process should meet the needs of several stakeholders:

1. Faculty and department heads who teach sustainability courses and want them listed on SUSCAT
2. Students who want to take sustainability courses
3. Faculty and staff who implement the policy by performing the review
4. Faculty and staff who maintain SUSCAT
5. The Academic Senate, Academic Senate Curriculum Committee, and the GE Governance Board
6. Academic Advisors
7. CSU Administrators
8. Faculty and department heads who would like to teach sustainability but don't know how.



## 2. Define the stakeholders' needs

Table I identifies stakeholders associated with the assessment process and their needs. The third column indicates a check, if the currently defined process meets those stakeholder needs. The current process does meet almost all needs listed for the stakeholders. Because of strong objections expressed to flagging sustainability courses either in the catalog or on PASS, the currently defined process doesn't meet those needs. Rather, it describes how to identify courses to list on the SUSCAT website, [suscat.calpoly.edu](http://suscat.calpoly.edu).

Table I Stakeholder Needs Assessment

Stakeholder	Needs	Met?
Faculty and department heads who teach sustainability courses and want them listed on SUSCAT	<ol style="list-style-type: none"> <li>1. Simple and convenient process.</li> <li>2. Reproducible process</li> <li>3. Can appeal decision.</li> </ol>	✓
Students who want to take sustainability courses	<ol style="list-style-type: none"> <li>1. Reproducible process.</li> <li>2. Process should identify all relevant sustainability courses.</li> <li>3. Should see results in catalog and PASS.</li> </ol>	✓ ✓ X
Faculty and staff who implement the policy by performing the review	<ol style="list-style-type: none"> <li>1. Simple and convenient process.</li> <li>2. Reproducible process.</li> </ol>	✓
Faculty and staff who maintain SUSCAT	<ol style="list-style-type: none"> <li>1. Easy to update.</li> <li>2. Automatically delist defunct courses.</li> <li>3. Automatically become aware of new course.</li> </ol>	✓
The Academic Senate, Academic Senate Curriculum Committee, and the GE Governance Board	<ol style="list-style-type: none"> <li>1. Reproducible process.</li> <li>2. Serves students and faculty.</li> <li>3. Serves curricular needs.</li> <li>4. Serves course and catalog administrative needs.</li> </ol>	✓
Academic Advisors	<ol style="list-style-type: none"> <li>1. Reproducible process.</li> <li>2. Process should identify all relevant sustainability courses.</li> <li>3. Should see results in catalog and PASS.</li> </ol>	✓ ✓ X
CSU Administrators	<ol style="list-style-type: none"> <li>1. Report data on percentage of classes &amp; number of classes meeting each Sustainability Learning Objective [SLO]</li> </ol>	X
Faculty and department heads who would like to teach sustainability courses but don't know how.	<ol style="list-style-type: none"> <li>1. Clear Instructions</li> </ol>	✓

### 3. Translate the stakeholders' needs into requirements and specifications

In order to develop process requirements and specifications from the stakeholder needs, the ASSC relied heavily on lessons learned from its review of GE courses in 2012. For the 2012 review, the ASSC developed a rubric to use to evaluate whether courses achieve at least two of the Sustainability Learning Objectives [SLOs]. Each college representative to the ASSC applied the rubric to the GE courses from their college, obtaining input from the ASSC, as necessary. During the 2012 GE course pilot assessment, the ASSC learned the following lessons:

1. Based on the title and catalog description, many or most courses clearly DO NOT achieve at least two SLOs.
2. Based on the title, catalog description, and course proposal, some courses clearly DO achieve at least two SLOs.
3. Based on the title, catalog description, and course proposal, some courses MAY or MAY NOT achieve at least two SLOs. This is a small group.
4. A relatively small fraction of GE courses achieve at least two SLOs.
5. Only list courses in which students achieve at least two SLOs regardless of the instructor.
6. A two-part rubric covered the above cases. One part used title and catalog description only. The other part relied on a course proposal form, course modification form, ABET or other detailed Syllabus, and/or Expanded Course Outline.

After significant deliberations prior to the 2012 GE course pilot assessment, during a 2012 inter-rater norming exercise, after the 2012 course pilot assessment, during a Fall 2014 inter-rater norming exercise, and during its Fall 2014 and Winter 2015 meetings, the ASSC arrived at the SUSCAT Evaluation Rubric shown in Figure 2. It represents version 10, and it contains elements gleaned from multiple sources. Most notably, two sources informed the rubric creation and evolution:

1. The 2011 University Expository Writing Rubric,  
Available: <http://ulo.calpoly.edu/content/writing-proficiency-assessment>, and  
[http://content-calpoly-edu.s3.amazonaws.com/ulo/1/documents/university\\_writing\\_rubric.pdf](http://content-calpoly-edu.s3.amazonaws.com/ulo/1/documents/university_writing_rubric.pdf)
2. Association of American Colleges & Universities, *VALUE (Valid Assessment of Learning in Undergraduate Education) Rubric Development Project*, 2007-2009,  
Available: <http://www.aacu.org/value/rubrics>

During the 2012 GE course pilot assessment, the ASSC agreed that a course meeting two or more SLOs met the threshold for listing. Further deliberations during Fall 2014 reveal that the ASSC still agrees with this threshold, but with an important caveat. Just having students learn about two or more SLOs in a minimal fashion does not suffice. Meaningful sustainability learning should take place, and the revised rubric seeks to measure meaningful learning in two ways:

1. Students should achieve multiple SLOs during the course, and
2. Students achieve the SLOs during a meaningful fraction of the course.

# Academic Senate Sustainability Committee SUSCAT Evaluation Rubric

Course Prefix & Number

Replace this cell with course Prefix & Number, e.g. GEOG 301

Course Title

Replace this cell with course Title, e.g. Geography of Resource Utilization

Course Description

Replace this cell with course catalog description, e.g. A multicultural, world view of the interconnections of the following resource systems: food, energy, water, and non-fuel minerals. A pervading theme is the sustainability of these systems. 4 lectures. Prerequisite: Completion of GE Areas A, D3. Recommended: Junior standing. Fulfills GE D5 except for Social Sciences majors.

GE Area, if any

Evaluator name:

Joe Blow

Evaluator User Name:

jblow@calpoly.edu

Initial Assessment Based on Course Title & Description		Points Possible	Points Actual		
Yes, the course very likely achieves at least two of the four SLOs.		2	Enter score 0-2 in cell F10		
Maybe, the course might achieve one or more SLOs.		1			
No, the course doesn't seem to address the SLOs.		0			
Cal Poly defines sustainability as <i>the ability of natural and social systems to survive and thrive together to meet current and future needs.</i>					
Assessment Based on Course Proposal or Syllabus	Minimal Evidence Score = 0	Threshold Evidence Score = 1	Strong Evidence Score = 2 *	Superior Evidence Score = 3 **	Score
SLO1: Students define and apply sustainability principles within their academic programs	Syllabus doesn't mention SLO	Syllabus mentions SLO	Syllabus shows SLO student outcomes	Syllabus has SLO as a major course focus	Enter score 0-3 in cell F17
SLO2: Students explain how natural, economic, and social systems interact to foster or prevent sustainability	Syllabus doesn't mention SLO	Syllabus mentions SLO	Syllabus shows SLO student outcomes	Syllabus has SLO as a major course focus	Enter score 0-3 in cell F18
SLO3: Students analyze and explain local, national, and global sustainability using a multidisciplinary approach	Syllabus doesn't mention SLO	Syllabus mentions SLO	Syllabus shows SLO student outcomes	Syllabus has SLO as a major course focus	Enter score 0-3 in cell F19
SLO4: Students consider sustainability principles while developing personal and professional values	Syllabus doesn't mention SLO	Syllabus mentions SLO	Syllabus shows SLO student outcomes	Syllabus has SLO as a major course focus	Enter score 0-3 in cell F20
<b>Total Score (SLO1 - SLO4)</b>					0
20% or more of the course covers the SLOs.				Yes/No	Enter yes or no in cell F24
<b>Sustainability Course (Score ≥6 AND 20% or more sustainability)</b>					No
If course doesn't address the SLOs, could it?				Yes/No	
<b>Suggestion(s) how course might address one or more of the SLOs:</b>					
<b>Other Comments:</b>					

\* A score of 2 requires the syllabus to show SLO student outcomes AND mention the SLO.

\*\* A score of 3 requires the syllabus to have the SLO as a major course focus AND show the SLO student outcomes AND mention the SLO.

Figure 2 SUSCAT Evaluation Rubric

Since many courses only require reviewing the course title and catalog description, the rubric contains a section titled *Initial Assessment Based on Course Title & Description*. Since a small fraction of courses requires more detailed review, the rubric contains a section titled *Assessment Based on Course Proposal or Syllabus*. This section relies on review of at least a course proposal form, course modification form, ABET or other detailed Syllabus, and/or Expanded Course Outline. The SUSCAT Evaluation Rubric uses the term Syllabus generally to refer to the various course descriptions listed in the previous sentence. The rubric does not intend to rely on instructor specific documentation. A possibility exists that such information may prove less easy to access for some courses than for others, so the process leaves reviewers an option to request more information, if desired.

The detailed review examines to what extent the course addresses each SLO based primarily on the evidence provided from the course learning objectives. Figure 3 shows the SLO evaluation scale portion of the rubric. Based how the Syllabus mentions a SLO, shows student outcomes for a SLO, or has a SLO as a major course focus, the scale rates the evidence “Minimal,” “Threshold,” “Strong,” or “Superior” and assigns a corresponding score from 0 to 3 for each SLO. With four SLOs each rated from 0 to 3, the course would receive a score from 0 to 12. The ASSC feels that a total score of 6 represents the minimum score necessary to demonstrate a course achieves multiple SLOs. A course could reach a total score of 6 via several combinations of scores for individual SLOs. For example, two SLOs with superior evidence plus two SLOs showing minimal evidence would give a total score of  $2*3 + 2*0 = 6$ . Or, three SLOs with strong evidence plus one SLO showing minimal evidence would give a total score of  $3*2 + 1*0 = 6$ . Similarly,  $3 + 2 + 1 + 0$  or  $2 + 2 + 1 + 1$  reach the required score of 6.

Additionally, to measure whether SLOs reach a meaningful fraction of the course, the rubric asks whether at least 20% of the course covers the SLOs. The 20% threshold arose from multiple discussions at ASSC meetings before, during, and after the Fall 2014 inter-rater norming exercise. The ASSC reached a consensus that having at least two weeks of a course addressing the SLOs meets its threshold. Combining these goals of meeting multiple SLOs over at least two weeks in the course leads to the rubric’s threshold for listing a course on SUSCAT: The total score equals or exceeds 6, and at least 20% of the course covers the SLOs.

Minimal Evidence Score = 0	Threshold Evidence Score = 1	Strong Evidence Score = 2 *	Superior Evidence Score = 3 **
Syllabus doesn't mention SLO	Syllabus mentions SLO	Syllabus shows SLO student outcomes	Syllabus has SLO as a major course focus

Figure 3 SLO Evaluation Scale from SUSCAT Evaluation Rubric

Table II contains and justifies the process specifications as derived from the stakeholder needs and the marketing requirements. In summary, the process expects the ASSC to consider all courses in the catalog for listing on the SUSCAT website, starting with the GE courses and giving expedited reviews as requested for specific courses. The process relies on a variety of course documentation and iterative reviews as necessary to assure quality control and inter-rater reliability. The currently proposed process meets all but two of the marketing requirements.



TABLE II SUSCAT REVIEW POLICY REQUIREMENTS AND SPECIFICATIONS

Marketing Requirements	Specifications	Justification
2	SUSCAT contains any course achieving at least two SLOs (Rubric score $\geq 6$ AND at least 20% of course covers SLOs).	Policy approved by ASSC in 2012 and revised in 2014.
1, 2, 4	The ASSC reviews all GE courses.	Per 2014-2015 ASSC charges.
2, 4, 8, 9, 10, 11	The ASSC must review additional courses.	Policy approved by ASSC in 2014.
1, 2, 3, 4, 6	Faculty may submit SUSCAT review requests for specific courses to the ASSC.	To prevent overlooking a course belonging in SUSCAT.
1, 2, 3, 4, 9	A process exists to handle faculty appeals of initial SUSCAT review decisions.	Provides checks and balances. Encourages inter-rater reliability.
1, 2, 3, 4, 9, 10	The review process may require additional information such as course proposal forms, course modification form, ABET or other detailed Syllabus, and/or Expanded Course Outline.	Title and course description alone may not suffice to identify whether a course meets any of the SLOs.
1, 2, 3, 4, 9, 10, 11	Applicants may justify how a course meets SUSCAT approval criteria.	In case course documentation supplied for SUSCAT review didn't suffice for an accurate review, applicants may submit additional documentation.
4, 8, 9, 10, 11	The ASSC reviews all new courses approved by the ASSC.	To maintain currency.
9, 10, 11	The SUSCAT list appears online.	To make list easily available to all stakeholders.
4, 9, 10	The ASSC communicates decisions to faculty and department heads.	Requested by several stakeholders.
<b>Marketing Requirements</b> <ol style="list-style-type: none"> <li>Simple and convenient process.</li> <li>Reproducible process</li> <li>Can appeal decision.</li> <li>Process should identify all relevant sustainability courses.</li> <li><del>Should see results in catalog and PASS. Not specified yet.</del></li> <li>Easy to update.</li> <li>Automatically delist defunct courses.</li> <li>Automatically become aware of new course.</li> <li>Serves students and faculty.</li> <li>Serves curricular needs.</li> <li>Serves course and catalog administrative needs.</li> <li><del>Report data on percentage of classes &amp; number of classes meeting each SLO Not specified yet.</del></li> </ol>		

#### 4. Design a process to meet the requirements and specifications

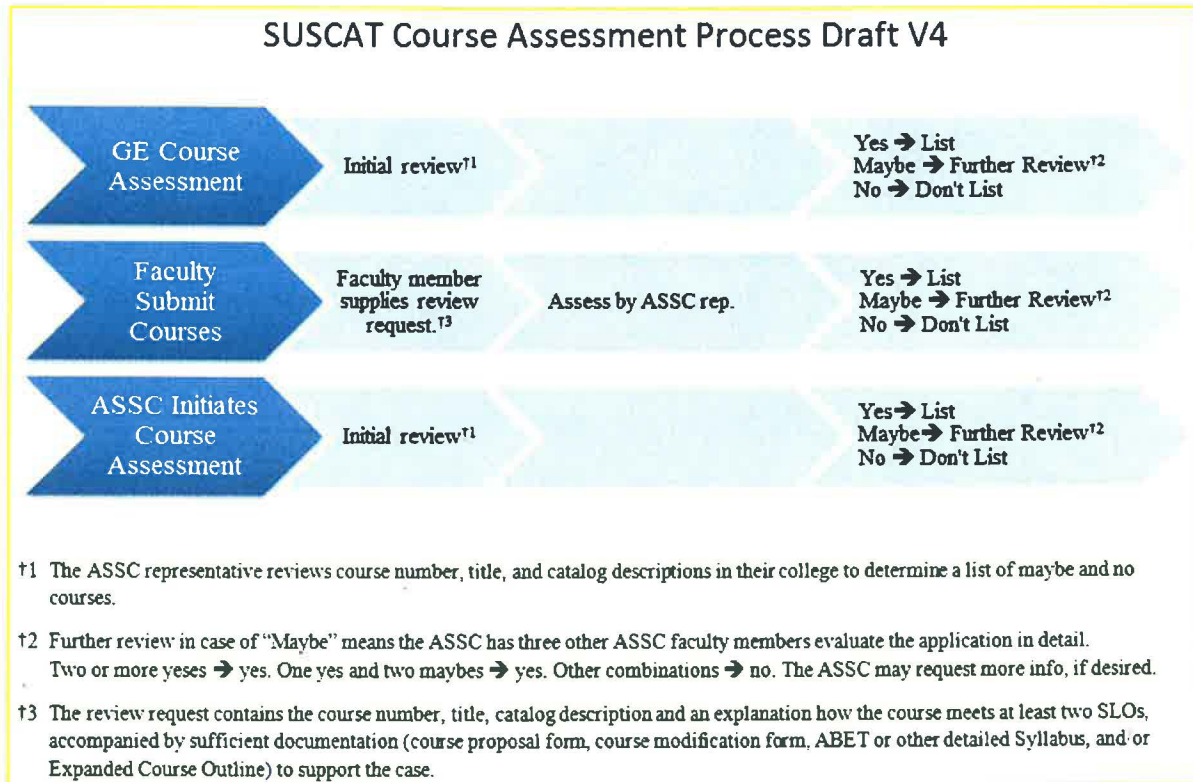


Figure 4 SUSCAT Course Assessment Process Draft V4

## SUSCAT Course Appeals Process

A faculty member may appeal a yes or no assessment decision to the ASSC by sending an email with their reasoning to the ASSC Chair. The Chair assigns five ASSC faculty members to assess the course in detail. Three or more yeses → yes.

Figure 5 SUSCAT Course Appeals Process

### Listing SUSCAT GE Courses on GE Website – Details

1. Obtain permission from GE Chair, Brenda Helmbrecht, to tag courses on GE web site
2. Communicate with Department Chair/Faculty about sustainability courses to list on GE web site (Draft letter available)
3. Advise Curriculum Committee
4. Advise Academic Senate/Executive Committee
5. Communicate to campus/students

### Listing SUSCAT Courses on SUSCAT – Details

1. ASSC updates the SUSCAT course list quarterly.
2. ASSC sends updated list to Miles Clark quarterly.
3. Miles Clark updates <http://suscat.calpoly.edu/>

**ASSC Meeting  
January 16, 2015  
20-206 (2:10 pm)**

**Committee Members (and designations)**

<i>Name</i>	<i>Dept.</i>	<i>College/ Unit</i>	<i>Exp. Term/ Other</i>	<i>Present</i>
Borin, Norm	Marketing	OCOB	2016	
Braun, David (Ch)	ElecEngr	CENG	2016	Y
Fernsler, Jonathan	Physics	CSM	2016	
Kelting, Scott	ConstMgr	CAED	2015	
Levi, Daniel	Psyc&CD	CLA	2016	Y
Vacant		CAFES	2015	
Vestermarck, Jesse	Library	PCS	2015	Y
Elliot, Dennis	Fac. Serv.	Assoc. Dir. E&U	Ex Officio	Y
Moloney, Julie	Fac.Plan	Admin	Ex Officio	
Bonestroo, Lexie	Student	ASI	Ex Officio (ASI)	
Cool, Lauren	Student	ASI	Ex Officio (ASI)	
Tool, Katie	AcadProg	Admin	Ex Officio	
Theodoropoulos, Christine	AcadDean	Provost	Ex Officio	
Greenwald, Harvey	Math	Guest		Y
MacDougall, Neal	Agribus	Guest		
Francis, Hunter	CAFES Sust.	Guest		Y

**Cal Poly Sustainability Learning Objectives:<sup>1</sup>**

Cal Poly defines sustainability as the ability of the natural and social systems to survive and thrive together to meet current and future needs. In order to consider sustainability when making reasoned decisions, all graduating students should be able to:

- Define and apply sustainability principles within their academic programs
- Explain how natural, economic, and social systems interact to foster or prevent sustainability
- Analyze and explain local, national, and global sustainability using a multidisciplinary approach
- Consider sustainability principles while developing personal and professional values

*Academic Senate Resolution 688-09 approved by President Baker June 22, 2009*

<sup>1</sup> [www.academicprograms.calpoly.edu/content/academicpolicies/sustainability\\_lo](http://www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo)



**ASSC Committee Charge for 2014-15:<sup>2</sup>**

- Respond to AS-787-14
  - Develop a process to identify courses meeting at least two SLOs
    - [Customer needs drafted.](#)
    - [Started drafting specifications.](#)
    - [Listed lessons learned from 2012 pilot GE course assessment.](#)
    - [Started rubric revision.](#)
    - [Started listing policy components.](#)
  - Produce a list of courses meeting at least two SLOs.
- Respond to 2014 CSU Sustainability Policy directives.
  - [Resolution on responsibilities sent to Ex-Com.](#)
- Continue assessing SLOs. Prepare and deliver report.
- Tag GE courses using process approved in response to AS-787-14.
- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum.
- Promote/extend the Green Campus/Star Certification.
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  - [Sent to Ex-Com.](#)
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  - [Added by ExCom on Nov. 4, 2014.](#)

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**Winter Quarter Meeting Schedule:**

~~Friday, January 16 (2:10 - 3 pm, 20-206)~~

Wednesday, January 28 (3:10 - 4 pm, 20-206)

Friday, February 13 (2:10 - 3 pm, 20-206)

Wednesday, February 25 (3:10 - 4 pm, 20-206)

Friday, March 13 (2:10 - 3 pm, 20-206)

The meeting convened at 2:10 p.m.

**REPORTS**

1. Minutes from Dec. 2 meeting approved without objection.
2. Dennis Elliot announced three searches underway in AFD and explained progress on a \$4M energy conservation contract the campus signed with PG&E.
3. The ASSC reviewed Executive Committee and Senate progress on ASSC Procedures and ByLaws.
4. Academic Senate Resolution re: Develop a process to identify courses meeting at least two SLOs.
  - a. The ASSC reviewed and discussed feedback on customer needs, requirements and specifications, and Excel rubric received from Andrew Schaffner, ASSC Chair.
  - b. The ASSC reviewed the draft SUSCAT Assessment Process V2. One change for V3 includes the need to allow reviewers to request additional information during their review. Another change eliminates mention of PASS.
  - c. Considered as a first reading, the committee plans to finalize the process at the next meeting.

The meeting adjourned at 3:00 p.m.

**Attachments:**

SUSCAT Assessment Process V3.

**ASSC Meeting  
January 28, 2015  
20-206 (3:10 pm)**

**Committee Members (and designations)**

<i>Name</i>	<i>Dept.</i>	<i>College/ Unit</i>	<i>Exp. Term/ Other</i>	<i>Present</i>
Borin, Norm	Marketing	OCOB	2016	
Braun, David (Ch)	ElecEngr	CENG	2016	Y
Fernsler, Jonathan	Physics	CSM	2016	Y
Kelting, Scott	ConstMgr	CAED	2015	Y
Levi, Daniel	Psyc&CD	CLA	2016	
Vacant		CAFES	2015	
Vestermarck, Jesse	Library	PCS	2015	Y
Elliot, Dennis	Fac. Serv.	Assoc. Dir. E&U	Ex Officio	
Moloney, Julie	Fac.Plan	Admin	Ex Officio	Y
Bonestroo, Lexie	Student	ASI	Ex Officio (ASI)	
Cool, Lauren	Student	ASI	Ex Officio (ASI)	
Tool, Katie	AcadProg	Admin	Ex Officio	Y
Theodoropoulos, Christine	AcadDean	Provost	Ex Officio	
Greenwald, Harvey	Math	Guest		
MacDougall, Neal	Agribus	Guest		
Francis, Hunter	CAFES Sust.	Guest		Y

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- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum.
- Promote/extend the Green Campus/Star Certification.
- Determine the role of sustainability in the University's strategic plan/action plan.
- Develop procedures and guidelines.
  - Sent to Ex-Com.
  - Agendized for their 10-14 meeting, but not covered due to time.
  - Discussed at 11-4 meeting. The ExCom passed a motion to have us revise the procedures and guidelines document.
    - A subsequent email from the Provost corrected the title of one of our members to make it consistent with the AS Bylaws.
    - The Provost email and a conversation with Gary Laver asked us to change the designation of "Academic Dean" to "Academic Dean or Associate Dean."
    - Gary Laver directed us to submit the revised procedures and guidelines at the end of the quarter with our end-of-quarter report.
  - Revision including membership change discussed at 1-6-15 meeting.
    - The request to extend ASSC responsibilities to include the CSU Sustainability Policy will go to the Senate as part of their Winter quarter review of Academic Senate Bylaws.
- Work with GEGB to develop sustainable pathways in GE.
  - Added by ExCom on Nov. 4, 2014.

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<sup>2</sup> [www.academicssenate.calpoly.edu/content/acadsen\\_comm/sustainability](http://www.academicssenate.calpoly.edu/content/acadsen_comm/sustainability)



### **Winter Quarter Meeting Schedule:**

~~Friday, January 16 (2:10 - 3 pm, 20-206)~~

~~Wednesday, January 28 (3:10 - 4 pm, 20-206)~~

Friday, February 13 (2:10 - 3 pm, 20-206)

Wednesday, February 25 (3:10 - 4 pm, 20-206)

Friday, March 13 (2:10 - 3 pm, 20-206)

The meeting convened at 3:10 p.m.

### **REPORTS**

1. Update: Hunter Francis requested help publicizing a daylong food system conference titled "Resilient Food Systems," to be held at Cal Poly on May 8, 2015.
2. Update: Julie Moloney announced progress in the Master Planning process.
3. Minutes from Jan. 16 meeting approved without objection.
4. Academic Senate Resolution re: Develop a process to identify courses meeting at least two SLOs.
  - a. The ASSC reviewed and discussed feedback on customer needs, requirements and specifications, and Excel rubric received from Brenda Helmbrecht, GEGB Chair. The feedback informed the revisions discussed.
  - b. The ASSC reviewed the draft SUSCAT Assessment Process V3 and produced V4, with changes to the section regarding listing sustainability GE courses on the GE website.
  - c. The ASSC reviewed and approved the SUSCAT Evaluation Rubric V8, with changes to the wording emphasizing student-centered learning objectives.
  - d. Considered as a second reading, the committee approved the process without objection for forwarding to the Academic Senate.
5. The ASSC discussed how to participate in the 2015 California Higher Education Sustainability Conference, July 20-24 at SFSU. See <http://cahigheredusustainability.org/callforproposals/submitabstract.php>. Should we submit a paper about developing the SUSCAT Assessment Process? Should we plan a workshop or session revolving around developing implementations for the CSU Sustainability Policy? With abstracts due Feb. 11, before the next ASSC meeting, we'll circulate ideas via email.

The meeting adjourned at 4:02 p.m.

### **Attachments:**

SUSCAT Assessment Process V4 containing the Revised Stakeholder Needs, Requirements and Specifications.  
ASSC Suscat Assessment Process V4  
SUSCAT Evaluation Rubric V10

**ASSC Meeting  
February 13, 2015  
20-206 (2:10 pm)**

**Committee Members (and designations)**

<i>Name</i>	<i>Dept.</i>	<i>College/ Unit</i>	<i>Exp. Term/ Other</i>	<i>Present</i>
Borin, Norm	Marketing	OCOB	2016	Y
Braun, David (Ch)	ElecEngr	CENG	2016	Y
Fernsler, Jonathan	Physics	CSM	2016	
Kelting, Scott	ConstMgr	CAED	2015	
Levi, Daniel	Psyc&CD	CLA	2016	
Vacant		CAFES	2015	
Vestermarck, Jesse	Library	PCS	2015	
Elliot, Dennis	Fac. Serv.	Assoc. Dir. E&U	Ex Officio	
Moloney, Julie	Fac.Plan	Admin	Ex Officio	
Bonestroo, Lexie	Student	ASI	Ex Officio (ASI)	
Cool, Lauren	Student	ASI	Ex Officio (ASI)	
Tool, Katie	AcadProg	Admin	Ex Officio	
Theodoropoulos, Christine	AcadDean	Provost	Ex Officio	
Greenwald, Harvey	Math	Guest		Y
MacDougall, Neal	Agribus	Guest		
Francis, Hunter	CAFES Sust.	Guest		

**Cal Poly Sustainability Learning Objectives:<sup>1</sup>**

Cal Poly defines sustainability as the ability of the natural and social systems to survive and thrive together to meet current and future needs. In order to consider sustainability when making reasoned decisions, all graduating students should be able to:

- Define and apply sustainability principles within their academic programs
- Explain how natural, economic, and social systems interact to foster or prevent sustainability
- Analyze and explain local, national, and global sustainability using a multidisciplinary approach
- Consider sustainability principles while developing personal and professional values

*Academic Senate Resolution 688-09 approved by President Baker June 22, 2009*

<sup>1</sup> [www.academicprograms.calpoly.edu/content/academicpolicies/sustainability\\_lo](http://www.academicprograms.calpoly.edu/content/academicpolicies/sustainability_lo)

### **ASSC Committee Charge for 2014-15:<sup>2</sup>**

- Respond to AS-787-14
  - Develop a process to identify courses meeting at least two SLOs
    - Stakeholder needs drafted, revised, approved
    - Requirements and specifications drafted, revised, approved.
    - Listed and used lessons learned from 2012 pilot GE course assessment.
    - Performed and used lessons learned from 2012 and Fall 2014 norming exercises.
    - Key stakeholder feedback solicited, received, and used for revision.
    - Rubric revised and approved.
    - Process components listed and revised.
    - Process drafted, revised, approved.
  - Produce a list of courses meeting at least two SLOs.
- Respond to 2014 CSU Sustainability Policy directives.
  - Resolution on responsibilities sent to Ex-Com.
- Continue assessing SLOs. Prepare and deliver report.
- Tag GE courses using process approved in response to AS-787-14.
- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum.
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  - Agendized for their 10-14 meeting, but not covered due to time.
  - Discussed at 11-4 meeting. The ExCom passed a motion to have us revise the procedures and guidelines document.
    - A subsequent email from the Provost corrected the title of one of our members to make it consistent with the AS Bylaws.
    - The Provost email and a conversation with Gary Laver asked us to change the designation of "Academic Dean" to "Academic Dean or Associate Dean."
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~~Friday, March 13 (2:10 - 3 pm, 20-206)~~

The meeting convened at 2:10 p.m.

Since we don't have close to a quorum, only discussion took place, no decisions.

**REPORTS**

1. Discussion took place regarding progress on obtaining Senate approval for the SUSCAT Assessment Process. Discussion took place regarding Braun's meeting with Gary Laver regarding agendaizing the Process for discussion at the Feb. 24 Executive Committee meeting.
2. Discussion took place regarding the resolution accompanying the SUSCAT Assessment Process. See attachment. A suggestion was made to include as background material the Spring 2014 resolution AS-787-14.
3. Discussion took place regarding identifying issues which may arise during ExCom or full Senate consideration of the resolution.

The meeting adjourned at 3:00 p.m.

**Attachments:**

Draft of Resolution accompanying the SUSCAT Assessment Process.



**ASSC Meeting  
February 25, 2015  
20-206 (3:10 pm)**

**Committee Members (and designations)**

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Borin, Norm	Marketing	OCOB	2016	Y
Braun, David (Ch)	ElecEngr	CENG	2016	Y
Fernsler, Jonathan	Physics	CSM	2016	Y
Kelting, Scott	ConstMgr	CAED	2015	Y
Levi, Daniel	Psyc&CD	CLA	2016	
Vacant		CAFES	2015	
Vestermarck, Jesse	Library	PCS	2015	
Elliot, Dennis	Fac. Serv.	Assoc. Dir. E&U	Ex Officio	
Moloney, Julie	Fac.Plan	Admin	Ex Officio	
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Tool, Katie	AcadProg	Admin	Ex Officio	
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    - Performed and used lessons learned from 2012 and Fall 2014 norming exercises.
    - Key stakeholder feedback solicited, received, and used for revision.
    - Rubric revised and approved.
    - Process components listed and revised.
    - Process drafted, revised, approved, sent to AS ExCom.
    - ExCom agendized for Senate March 3 meeting.
  - Produce a list of courses meeting at least two SLOs.
- Respond to 2014 CSU Sustainability Policy directives.
  - Resolution on responsibilities sent to Ex-Com.
- Continue assessing SLOs. Prepare and deliver report.
- Tag GE courses using process approved in response to AS-787-14.
- Work with students to better integrate approaches to sustainability inside and outside the classroom/curriculum.
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The meeting convened at 3:10 p.m.

Since we don't have close to a quorum, only discussion took place, no decisions.

**REPORTS**

1. The Committee approved Minutes from the Feb. 13 meeting.
2. Discussion took place regarding progress on obtaining Senate approval for the SUSCAT Assessment Process. Discussion took place regarding the Feb. 24 Executive Committee meeting, where the ExCom voted to agendize the Resolution on Approving Assessment Process for Courses Meeting Sustainability Learning Objectives.
3. Discussion took place regarding how to participate in the 2015 California Higher Education Sustainability Conference, July 20-24 at SFSU. See <http://cahigheredusustainability.org/callforproposals/submitabstract.php>. Braun committed to draft an abstract and circulate it in time to meet the March 1 submission deadline.

The meeting adjourned at 4:01 p.m.

**Attachments:**

None.