

**COMMITTEE MEMBERSHIP**

Alexandra Tower, Chair  
Professor, Botany & Environmental Biology

Ferris Kawar, Vice Chair  
CEUS, Sustainability Manager  
310-434-3911

**Faculty Members**

Garen Baghdasarian  
Professor, Marine Biology

Stuart Cooley  
Professor, Earth Science

Janet Harclerode  
Professor, ESL

Kristin Lui-Martinez  
Asst Professor, Mathematics

Angelina Misaghi  
Asst Professor, English

Poliana Raymer  
Associate Professor, Environmental Biology

Dawn Vaughn  
Assoc. Professor, Environmental Biology

**Administration Members**

Bruce Wyban  
Manager, Maintenance

Michelle King  
Director, Career and contract Education

**Student Representatives**

Sharon Nat  
AS Director of Sustainability

**Interested Parties (non-voting)**

Tram Dang, faculty  
Guido Davis del Piccolo, faculty  
Gillian Grebler, faculty  
Natalie Hansen, Adjunct faculty  
Amber Katherine, faculty  
Christyanne Melendez, faculty  
Eric Oifer, faculty  
Kaya Foster, Consultant  
Sam Mah, student  
Henry Haprov, student

**Spring 2017 Meetings**

1<sup>st</sup> and 3<sup>rd</sup> Tuesdays 1:00 – 2:30 p.m.  
CEUS, 1744 Pearl Street

Tuesday, 21 Feb  
Tuesday, 7 Mar  
Tuesday, 21 Mar  
Tuesday, 4 Apr  
Tuesday, 18 Apr  
Tuesday, 2 May  
Tuesday, 16 May  
Tuesday, 30 May

# Environmental Affairs COMMITTEE

## AGENDA

18 APRIL 2017

1. Call to Order
2. Public Comments and announcements
3. Approval of minutes
  - a. 7 Mar 2017 (page 2)
4. Environmental Studies major
  - a. Chair's recommendation
5. Environmental Science major – pathway to transfer
  - a. Guest: Jose Cue, STEM counselor
  - b. Major requirements (page 5)
6. Updates from CEUS
7. Adjournment

**Environmental Affairs Committee Meeting Minutes - Tuesday March 7, 2017**

1. Call to Order: 1:07pm

2. Public Comments

- a) Mention of "Robert's Rule of Order" for Public Meetings. Bottom line - Follow the agenda!
- b) Request to KCRW to assist with the voiceover of the EAC welcome video. KCRW has not responded to our request. Raul Campos has agreed to do it. We just need to find a date.
- c) Additional feedback on the video include slowing the pace; have a film maker critique it.

3. Approval of minutes

- a) 21 February 2017 – vote #1

4. Strategic planning – placement of CEUS – transportation. Not much interest in changing CEUS placement

5. Environmental Science degree at SMC

*Progress*

- We should ask Georgia if the home department for the Environmental Science degree can be Life Sciences. Comment that Environ Studies is interdisciplinary, increasing the potential number of appropriate home departments.
- Environmental Science officially in the curriculum
- Inclusion in the SMC catalog. Jennie is a possible contact person for the catalog
- Provide info to SMC counselors
- Ferris wants to add an icon indicating that the course/degree is "green"

Currently, we are developing a major's-oriented Environmental Science course that includes both lecture and lab components - Tentatively named: Biology 10, Applied Ecology and Conservation Biology. Biology 10 will include topics covered in Biology 9 but will include lab and field activities, data collection/analysis.

5a. Environmental Studies degree at SMC

- No courses at UCLA
- UC Berkeley has courses that emphasizes on environmental economics
- USC also has courses, but the emphasis is on physical science
- AAT (uniform degree) across Cal State schools

Existing environmental studies programs appear to have two distinct emphases: Environmental issues viewed through the lens of (1) physics and geography, or 2) economics.

Garen commented that environ studies programs vary in content and focus at most all schools. Difficult to model a degree after others at 4 year schools. UCLA extension is developing a new environmental studies/sustainability certificate --> meeting this Thursday to discuss proposed requirements.

Currently the Environ Studies at SMC requires 60 units

- Bio 9
- ES 7
- many other courses are listed but the pathway to transfer is unclear

Open discussion about what Environ Studies students should know - basics of biology, chemistry and physics? This may depend on whether our degree is for transfer purposes or just as an AA.

If for transfer purposes, can we design a flowchart that has 2 different pathways --> one that is focused on economics, and another that is biological in focus. Then, given the student's goals, they would travel down one path or another --> different required courses for the different pathways/emphases/concentrations.

Students would be provided with information on appropriate transfer programs for each path. For example

- Environ Studies with an emphasis on Environmental Economics:

We would need recommendations from SMC economics faculty to develop and teach course that would articulate with courses at Berkeley.

Regardless of emphasis/pathway, students in the environment studies degree would have similar requirements including

- 1- Biology course
- 1 - Chemistry course
- 1 - Economics course
- 1 - Environmental Biology lecture/lab course
- 15-20 units of electives

Programs that are not covered by Environmental Studies courses at SMC

- Economics
- Earth Sciences
- Sustainable Design, Urban Planning, Landscape and Interior Architecture, Geography
- Environmental Law and Policy- Edna Chavarry
- Environmental Psychology / Sociology

Volunteers to cross reference the courses about that are already offered at SMC to determine if they articulate with courses offered at our target schools. Cross reference our courses with those offered by SMC. Volunteers are as follows.

- Henry: Sustainable Design, Urban Planning, Landscape Architecture, Geography
- Ferris: Law and Policy
- Dor: Economics

## 6. Updates from the CEUS

### a. First Farmer's Market program last Wednesday (Ferris)

- 5 boxes of unsold produce donated from farmers --> distributed to 55 different students in about 40minutes
- volunteers receive student learning service credit

### b. Funding Options (Ferris)

- Sustainable Works: We are asking for 7500 to help fund the CEUS program
- Global counsel may have a small source of funds

### c. REV presentation on Thursday, March 9th

- To include presentations, tour, CEUS video, workshop, guest speakers
- Dr Jeffrey has indicated that she plans to attend

### d. Carbon project

#grabyourwallet, other #

e. Sustainable Technology Programs (Ferris)

- Need to help promote these programs
- perhaps this could be a non-transfer track of Environmental Studies --> or try to revamp these classes so they can be considered for transfer

f. City Counsel recommends de-vesting from Wells Fargo because they are investing in the pipe line and fossil fuels

7. Announcements

- *Current Election Measures*
  - o Vote yes on measure H
  - o Vote no on measure S

Adjournment: 2:15pm

**Environmental Affairs Committee Attendance and Voting**

Date: <u>March 7, 2017</u> .		Vote 1 1:20p			Vote 2 2:15pm		
		mins: 21 Feb 2017			adjourn		
		yes	no	Abstain	yes	no	Abstain
Voting Members	arrival						
Alexandra Tower, Chair	1:00p	x			x		
Ferris Kawar, Vice Chair	1:00p	x			x		
Garen Baghdasarian	1:00p	x			x		
Stuart Cooley							
Janet Harclerode	1:00p	x			x		
Michell King					x		
Kristin Lui-Martinez					x		
Angie Misaghi	1:00p	x			x		
Poliana Raymer	1:00p	x					2:00depart
Dawn Vaughn	1:00p	x			x		
Bruce Wyban					x		
Student Representatives							
Sharon Nat	1:00p	x			x		
Interested Parties (non-voting)							
Interested Students:							
Henry Haprov	1:00p						
Total							
1st			Garen		Ferris		
2nd			Janet		Garen		

## Environmental Science (39 units)

**Program Learning Outcomes:** Upon completion of the program, students will demonstrate through oral and written work knowledge of the physical, biological, and social sciences required to effectively address current environmental issues, and be prepared to pursue further study in an Environmental Science program (or related field of study) at the baccalaureate level. In addition students will be proficient in the research, analytical, and communication skills necessary to present a critical analysis of the interplay between natural and social systems, the attitudes and behaviors that impact and affect the environment, and proposed solutions to the myriad environmental challenges facing the world today.

Introductory Courses; select 1 of the following courses:

(3 units) Biology 9, Environmental Biology (3)

or

Environmental Studies 7, Introduction to Environmental Studies (3) (same as Geography 7)

Required Life Science Courses: (9 units)

Biology 22, Genetics and Molecular Biology (4)

Biology 23, Organismal and Environmental Biology (5)

Required Chemistry Courses: (10 units)

Chemistry 11, General Chemistry I (5)

Chemistry 12, General Chemistry II (5)

Required Geology and/or Physics Courses; select 1 of the following courses: (4 units)

Geology 4, Physical Geology with Laboratory (4)

Physics 6, General Physics I with Lab (4)

Physics 7, General Physics 2 with Lab (4)

Physics 8, Calculus-based General Physics I with Lab (4)

Physics 9, Calculus-based General Physics 2 with Lab (4)

Physics 21, Mechanics with Lab (5)

Physics 22, Electricity and Magnetism with Lab (5)

Required Mathematics Courses; (10 units)

Math 7, Calculus 1 (5)

Math 8, Calculus 2 (5)

Required Economics Courses; select 1 of the following courses: (3 units)

Economics 1, Principles of Microeconomics (3)

Economics 2, Principles of Macroeconomics (3)

Additional general education and graduation requirements for the Associate degree from Santa Monica College are listed in the Academics section of this catalog, as well as online (go to [www.smc.edu/articulation](http://www.smc.edu/articulation)).

**CERTIFICATES OF ACHIEVEMENT** At least 50% of the required units for a Certificate of Achievement must be completed at Santa Monica College. Students must receive a grade of C or higher in each course to successfully complete a Certificate of Achievement. Students who successfully complete the Environmental

Studies or Environmental Science Certificate of Achievement may elect to receive an Associate degree by satisfying additional general education requirements listed on the Associate degree.

**Environmental Science (39 units)** A Certificate of Achievement in Environmental Science is granted upon completion of 39 required units listed on the Environmental Science Associate degree. Students who successfully complete the Environmental Science Certificate of Achievement may elect to receive an Associate degree by satisfying additional general education requirements listed on the Associate degree.

**Environmental Studies (24 units)** A Certificate of Achievement in Environmental Studies is granted upon completion of 24 required units listed on the Environmental Studies Associate degree. Students who successfully complete the Environmental Studies Certificate of Achievement may elect to receive an Associate degree by satisfying additional general education requirements listed on the Associate degree.

Other degree requirements and details on degree to transfer are found in the Course Catalog (pp. 36-38):

<http://www.smc.edu/CollegeCatalog/Documents/2016-2017/16-17.SMCcatalog.FinalWeb.pdf>