

NATIONAL RESEARCH COUNCIL 1993 SURVEY - RESEARCH-DOCTORATE PROGRAMS IN THE UNITED STATES
UC COMPARISON PROGRAMS

ENVIRONMENTAL STUDIES DEPARTMENT

No Environmental Studies programs were ranked in the 1993 NRC Survey
The UCSC Environmental Studies Ph.D. program started in 1994-1995.

NRC Program Taxonomy	See Definitions of Terms						
None	Rank	Percentile	Rating Score	Rating Description	Total Faculty Participating	Total Graduate Students	# PhD's Produced

Definitions of Terms

RESEARCH-DOCTORATE PROGRAMS IN THE UNITED STATES - Continuity and Change
Conducted by Studies and Surveys Unit, Office of Scientific and Engineering Personnel, National
Research Council

Survey Conducted 1993
Published - National Academy Press, 1995

Program Taxonomy Fields of study included in the 1993 survey met thresholds for three criteria: 1) The number of Ph.D.s produced nationally; 2) the number of programs training Ph.D.'s within a particular field; and 3) the average number of Ph.D.s produced per program. The omission of a particular campus program from the list signifies that the program did not meet certain eligibility thresholds, including patterns of Ph.D. production in a certain period. <i>Note:</i> The taxonomy of Biological Sciences represented a special challenge to analysts because of the wide varieties of administrative organization on campuses throughout the United States.	Chapter 2 - Study Design
Rank The program's ranking within a field, including 1) quality of the faculty and 2) effectiveness of the program	Appendix H-I
Rating Score A trimmed mean obtained by dropping the two highest and two lowest scores on the survey before computing the average. Raw scores were converted to a scale of 0 to 5; ratings for each program were summed; and an average rating computed.	Appendix J-N
Rating Description - Faculty Scholarly Quality For purposes of analysis, scores were converted to a scale of 0 to 5, with 0 denoting "Not Sufficient for doctoral education" and 5 denoting "Extremely Effective". The interdisciplinary nature of doctorate studies allowed multiple listing of the same faculty and program in related fields.	Appendix J-N
Rating Description - Program Effectiveness For purposes of analysis, scores were converted to a scale of 0 to 5, with 0 denoting "Not Effective" and 5 denoting "Extremely Effective".	Appendix J-N
Total Faculty Participating Total number of faculty participating in the program.	Appendix J-N
Total Graduate Students The number of full and part time graduate students enrolled in the Fall of	Appendix J-N
# Ph.D.s Produced The number of Ph.D.'s graduated from the program for the period academic year 1987-1988 to 1991-1992.	Appendix J-N

Environmental Studies Department

Ladder Faculty Roster

	98-99	99-00	00-01	01-02	02-03	03-04	Title 03-04
Cheng, Weixin		1.0	1.0	1.0	1.0	1.0	Associate Professor
Doak, Daniel	1.0						
FitzSimmons, Margaret	1.0	1.0	1.0	1.0	1.0	1.0	Associate Professor
Gilbert, Gregory		1.0	1.0	1.0	1.0	1.0	Associate Professor
Gliessman, Stephen	1.0	1.0	1.0	1.0	1.0	1.0	Professor
Goodman, David	1.0	1.0	1.0	1.0	1.0	1.0	Professor
Haddad, Brent	1.0	1.0	1.0	1.0	1.0	1.0	Associate Professor
Holl, Karen	1.0	1.0	1.0	1.0	1.0	1.0	Associate Professor
Howarth, Richard	1.0						
Kelso, Dennis		1.0	1.0	1.0	1.0	1.0	Assistant Professor
Letourneau, Deborah	1.0	1.0	1.0	1.0	1.0	1.0	Professor
Lockwood, Julie	1.0	1.0	1.0	1.0	1.0	1.0	Assistant Professor
Loik, Michael					1.0	1.0	Assistant Professor
Mangel, Marc*	0.5	1.0	1.0	1.0			
Press, Daniel	1.0	1.0	1.0	1.0	1.0	1.0	Professor
Rajan, Ravi	1.0	1.0	1.0	1.0	1.0	1.0	Associate Professor
Richards, Alan			1.0	1.0	1.0	1.0	Professor
Sanchez-Rodriguez, Robertc	1.0	1.0	1.0	1.0	1.0	1.0	Associate Professor
Shennan, Carol	1.0	1.0	1.0	1.0	1.0	1.0	Professor
Zavaleta, Erika						1.0	Assistant Professor
TOTAL	13.5	15.0	16.0	16.0	16.0	17.0	

*Mangel FTE adjusted to .50- Associate Vice Chancellor, Planning & Programs

Ladder Faculty Age Distribution July 2003

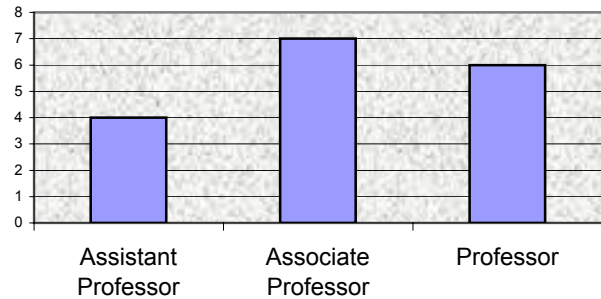
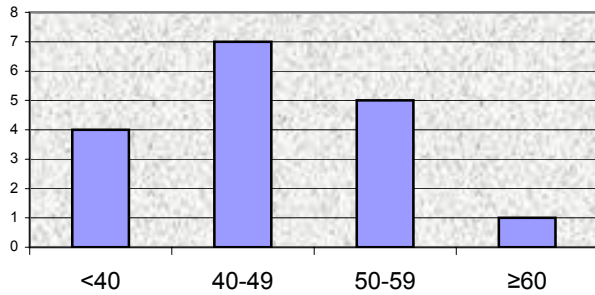
Faculty Rank Distribution July 2003

	#	%
<40	4	24%
40-49	7	41%
50-59	5	29%
≥60	1	6%
TOTAL	17	

#	%	
4	24%	Assistant Professor
7	41%	Associate Professor
6	35%	Professor
17		

AGE DISTRIBUTION

RANK DISTRIBUTION



ENVIRONMENTAL STUDIES DEPARTMENT
Total Enrollments, Total Faculty, Workload Ratio
(See definitions of terms)

2002-03 % of campus	2001-02 % of campus	2000-01 % of campus	1999-00 % of campus	1998-99 % of campu	1997-98 % of campu
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STUDENT WORKLOAD FTE (Total enrollments)

Lower Division	105.5		122.2		119.9		115.8		95.9		99.8	
Upper Division	154.7		186.5		162.6		169.1		180.3		160.2	
Total Undergrad	260.2	2.1%	308.7	2.7%	282.5	2.6%	285.0	2.9%	276.3	2.9%	260.1	2.9%
Graduate- Certificate	0.0		0.0		0.0		0.0		0.0		0.0	
Graduate-1st Stage	31.6		26.7		18.8		21.1		20.5		23.3	
Graduate-2nd Stage	20.0		23.3		9.6		15.3		14.3		11.3	
Total Graduate	51.6	3.7%	50.1	3.9%	28.4	2.6%	36.4	3.4%	34.8	3.4%	34.6	3.4%
Total Student FTE	311.8	2.3%	358.8	2.8%	310.9	2.6%	321.4	3.0%	311.0	2.9%	294.7	2.9%

FACULTY FTE

PAYROLL FTE

Faculty (Permanent)	13.2	3.4%	13.6	3.6%	12.8	3.5%	12.8	3.8%	11.0	3.2%	12.4	3.8%
Faculty (Temporary)	2.4	1.3%	1.8	1.0%	1.8	1.1%	1.6	1.0%	1.9	1.3%	1.6	1.3%
Total Faculty	15.6	2.7%	15.4	2.8%	14.6	2.7%	14.4	2.9%	12.8	2.7%	14.0	3.1%
Student /Payroll Faculty	20.0		23.3		21.3		22.4		24.3		21.1	

BUDGETED FTE (Faculty provisions)

Faculty (Permanent)	15.0	3.2%	16.0	3.4%	16.0	3.6%	15.0	3.5%	13.5	3.3%	13.5	3.4%
Faculty (Temporary)	3.4	1.9%	1.8	1.0%	1.8	1.2%	1.5	1.1%	1.4	1.2%	0.1	0.1%
Total Faculty	18.4	2.7%	17.8	2.8%	17.8	3.0%	16.5	3.0%	14.9	2.8%	13.6	2.8%
Permanent Payroll/Budget		88.0%		85.0%		80.0%		85.3%		81.3%		92.1%

STUDENT FTE/BUDGETED FACULTY FTE ("Workload Ratio")

Environmental StudiesDepartment	16.9		20.1		17.4		19.5		20.8		21.7	
Social Sciences Division	23.8		25.3		24.8		24.1		24.8		24.8	

UCSC ACADEMIC DEPARTMENTS

Total Enrollments, Total Faculty, Workload Ratio

Definitons of Terms

Source: *Instructional Load Summary*, see publication for comprehensive definitions.

Student Workload FTE

The number of full-time equivalent students taught by each department over the course of the academic year. The definition of full-time status differs for undergraduate and graduate students.

Faculty FTE

Payroll Faculty FTE - The (full-time equivalent) number of ladder faculty, SoE faculty, and temporary faculty who are appointed to the department and who are 'available' to teach classes. This number is extracted from campus payroll data and is adjusted downward for sabbaticals, other leaves, administrative responsibilities, and course relief that is granted by the central administration.

Total Budgeted Faculty FTE - The (full-time equivalent) number of faculty provisions assigned to the department. This number is subdivided into two categories: 'permanent budgeted faculty' and 'temporary budgeted faculty.'

Permanent Budgeted Faculty FTE - The (full-time equivalent) number of ladder faculty and SoE faculty members who are appointed to the department. This number is not adjusted downward for sabbaticals, other leaves, administrative responsibilities, or course relief.

Temporary Budgeted Faculty FTE - The arithmetic difference between 'permanent budgeted faculty FTE' and 'total budgeted faculty FTE.' It is an estimate of the temporary teaching personnel (full-time equivalent) appointed to the department. It is not a measure of the exact number of appointed temporary teaching personnel.

Workload Ratios

The official budgeted student-faculty ratio is the ratio of total student workload FTE to total budgeted faculty FTE. It is the ratio that is defined by the State and that serves as the basis for appropriating workload funds to the individual campuses. Please note that it is not a true measure of the actual workload of the ladder and SoE faculty because the numerator includes students taught by temporary faculty, and the denominator is defined by the number of faculty provisions rather than the number of actual faculty appointments.

ENVIRONMENTAL STUDIES DEPARTMENT

Headcount Majors, Degrees Conferred

Environmental Studies offers an undergraduate B.A. and graduate Ph.D. in Environmental Studies. Undergraduate combined majors are also offered in- Environmental Studies/Biology, Earth Sciences, and Economics

(Draft)

	2002-03		2001-02		2000-01		1999-00		1998-99		1997-98
	% of campus		% of campus		% of campus		% of campus		% of campus		% of campus

HEADCOUNT MAJORS

Lower Division	10.5		11.8		10.3		10.2		14.3		17.5	
Upper Division	223.3	1.8%	277.3	2.4%	253.5	2.4%	255.8	2.6%	262.3	2.7%	226.2	2.5%
Total Undergrad *	233.8	1.9%	289.1	2.5%	263.8	2.5%	266.0	2.7%	276.6	2.9%	243.7	2.7%
Graduate- Certificate	0.0		0.0		0.0		0.0		0.0		0.0	
Graduate-1st Stage	29.7		26.0		18.7		21.3		22.7		24.3	
Graduate-2nd Stage	14.6		18.0		16.3		14.0		11.0		5.3	
Total Graduate *	44.3	3.6%	44.0	4.0%	35.0	3.3%	35.3	3.5%	33.7	3.4%	29.6	2.9%
Total Headcount Majors*	278.1	2.0%	333.1	2.6%	298.8	2.5%	301.3	2.8%	310.3	2.9%	273.3	2.7%

DEGREES CONFERRED

Bachelors	147.5	5.0%	145.0	5.4%	131.0	5.2%	156.8	6.4%	112.0	4.9%	110.5	5.0%
Masters & Certificates	0.0	0.0%	1.0	0.4%	0.0	0.0%	1.0	0.4%	0.0	0.0%	0.0	0.0%
Ph.D	5.0	4.8%	8.0	8.3%	4.0	4.2%	3.0	3.0%	2.0	2.4%	1.0	1.1%
Total Degrees Conferred	152.5	4.5%	154.0	5.1%	135.0	4.7%	160.8	5.8%	114.0	4.3%	111.5	4.4%

* Note: rounding decimals may result in apparent errors in totals.

LADDER RANK Payroll Faculty Courseload History
(Excludes instruction offered by non-ladder rank faculty)

	Number of Courses Taught per Ladder Rank FTE							Total Enrollments Taught Per Ladder				
	<u>6-yr (DRAFT)</u>							<u>6-yr (DRAFT)</u>				
	<u>Ave</u>	<u>02-03*</u>	<u>01-02</u>	<u>00-01</u>	<u>99-00</u>	<u>98-99</u>	<u>97-98</u>	<u>Ave</u>	<u>02-03*</u>	<u>01-02</u>	<u>00-01</u>	<u>99-00</u>
Environmental Studies	3.8	4.3	4.4	3.6	3.3	3.6	3.5	159.6	127.2	176.2	163.8	157.0
Anthropology	4.2	4.7	4.2	4.2	4.2	4.0	4.0	193.0	231.2	165.0	186.5	186.0
Community Stud	3.8	3.8	3.1	3.6	4.0	4.0	4.2	146.6	162.6	138.6	120.8	140.0
Economics	4.3	4.7	4.2	4.2	3.7	4.4	4.6	225.1	273.2	251.7	238.8	186.0
Education	2.7	1.3	2.1	3.0	3.0	2.9	3.7	178.3	77.5	113.1	178.7	197.0
Latin American	2.4	2.2	2.4	1.8	2.8	2.9	2.4	101.5	101.3	95.9	107.1	111.0
Politics	4.1	4.2	3.7	4.3	4.0	3.9	4.4	229.7	236.9	241.5	263.0	237.0
Psychology	4.2	4.1	4.0	4.0	4.2	4.5	4.7	221.0	216.4	199.4	221.9	225.0
Sociology	3.6	3.6	3.3	3.7	3.4	3.7	3.9	237.0	254.9	257.0	279.2	215.0
Social Sciences												
Division Total	3.9	3.8	3.6	3.8	3.8	4.0	4.2	199.3	198.7	191.9	209.9	194.0
Campus Total	3.7	3.5	3.6	3.6	3.7	3.8	3.9	151.9	149.6	150.0	151.5	151.0

Definition of Terms

Ladder Rank Payroll Faculty FTE - full-time equivalent ladder rank faculty appointed to the department, adjusted for leaves, sabbaticals, Board Chair and/or Academic Senate service.

Courses- Includes all regularly scheduled, credited courses offered by department ladder faculty.

Enrollments -enrollments associated with those courses taught by ladder faculty, including independent study enrollments

ENVIRONMENTAL STUDIES DEPARTMENT

Student Major Ethnicity

	African American	Asian	Native American		Chicano	Latino	Filipino	Other Minority	Euro-American	Subtotal Ethnicity Available	Not Available	Total Majors	<u>MAJOR</u>		<u>CAMPUS</u>	
			Plus Not Available	% Minority									% Euro-American Plus Not Available	% Minority		
Graduate Declared Majors (Environmental Studies)																
Fall 1998	0	2	0	1	4	0	0	27	34	1	35	20%	80%	32%	68%	
Fall 1999	0	1	1	0	2	0	0	29	33	2	35	11%	89%	30%	70%	
Fall 2000	0	1	1	0	3	0	0	29	34	2	36	14%	86%	31%	69%	
Fall 2001	0	3	1	1	2	0	0	35	42	3	45	16%	84%	32%	68%	
Fall 2002	0	5	1	0	2	0	0	34	42	4	46	17%	83%	33%	67%	
Fall 2003	0	3	1	0	2	1	0	36	43	6	49	14%	86%	34%	66%	
Undergraduate Declared Majors (Environmental Studies, ES/Earth Sci., ES/Economics, ES/Biology)																
Fall 1998	4	14	7	16	7	4	8	190	248	41	289	20%	80%	34%	66%	
Fall 1999	4	13	7	13	7	2	7	193	244	37	281	18%	82%	33%	67%	
Fall 2000	0	15	6	15	8	4	7	192	245	36	281	19%	81%	34%	66%	
Fall 2001	2	17	4	19	6	5	5	198	255	44	298	19%	81%	35%	65%	
Fall 2002	2	19	1	14	8	2	6	181	232	46	278	18%	82%	36%	64%	
Fall 2003	0	12	2	17	8	3	5	159	205	34	239	19%	81%	37%	63%	

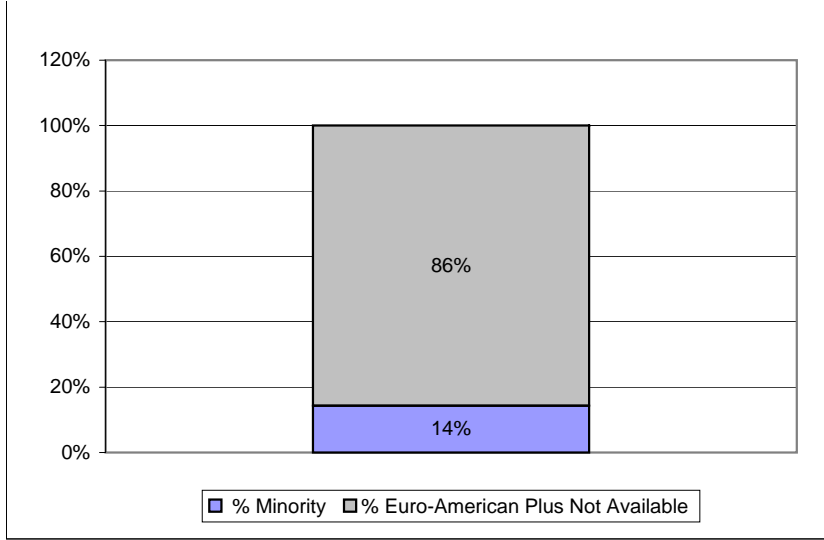
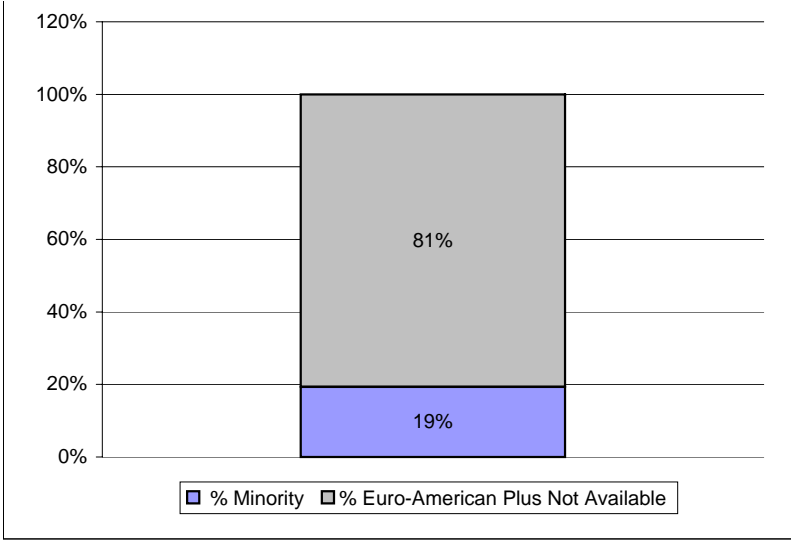
Equivalent Head Count
 Double majors are counted as 0.5 for each major. Triple majors are counted as 0.33 for each major. Combined majors are counted as 0.5 for each major component.
 %Minority = total minority / total majors.
 % Euro-American Plus Not Available = total euro-american plus not available / total majors.

**Undergraduate Major Ethnicity
Fall 2003**

**Graduate Major Ethnicity
Fall 2003**

ENVIRONMENTAL STUDIES DEPARTMENT

Student Major Ethnicity



ENVIRONMENTAL STUDIES DEPARTMENT

Major Gender

	<u>MAJOR</u>					<u>CAMPUS</u>				
	Male	%	Female	%	Total	Male	%	Female	%	Total
Graduate Declared Majors (Environmental Studies)										
Fall 1998	20	57%	15	43%	35	529	50%	520	50%	1,049
Fall 1999	21	60%	14	40%	35	516	49%	544	51%	1,060
Fall 2000	22	61%	14	39%	36	543	49%	554	51%	1,097
Fall 2001	24	53%	21	47%	45	553	47%	615	53%	1,168
Fall 2002	23	50%	23	50%	46	580	45%	697	55%	1,277
Fall 2003	22	45%	27	55%	49	616	45%	739	55%	1,355
Undergraduate Declared Majors (Environmental Studies, ES/Earth Sci., ES/Economics, ES/Biology)										
Fall 1998	109	38%	179	62%	289	4,111	41%	5,821	59%	9,932
Fall 1999	105	37%	176	63%	281	4,396	43%	5,846	57%	10,242
Fall 2000	98	35%	183	65%	281	4,725	43%	6,322	57%	11,047
Fall 2001	107	36%	191	64%	298	5,213	43%	6,789	57%	12,002
Fall 2002	113	41%	165	59%	278	5,640	44%	7,205	56%	12,845
Fall 2003	105	44%	134	56%	239	6,156	45%	7,473	55%	13,629

Equivalent Head Count

Double majors are counted as 0.5 for each major. Triple majors are counted as 0.33 for each major. Combined majors are counted as 0.5 for each major component.