

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
San Luis Obispo, California 93407
ACADEMIC SENATE

FILE COPY

Academic Senate
Executive Committee Agenda
February 5, 1991
UU 220 3:00-5:00 p.m.

<u>Member</u>	<u>Dept</u>	<u>Member</u>	<u>Dept</u>
Acord, Pat	PE/RA	Pokorny, Cornel	CompSci
Ahern, James	Agribus	Reynoso, Wendy	FinAid
Andrews, Charles	Acctg	Russell, Craig	Music
Botwin, Michael	ArchEngr	Terry, Raymond	Math
Gamble, Lynne (Secty)	Library	Vilkitis, James	NRM
Gooden, Reginald	PoliSci		
Kersten, Timothy	Econ		
Koob, Robert	VPAA		
Moustafa, Safwat (VC)	MechEngr	Copies: Warren Baker	
Murphy, James (C)	IndTech	Glenn Irvin	
		Howard West	

- I. Minutes:
- II. Communication(s) and Announcement(s):
- III. Reports:
- IV. Consent Agenda:
- V. Business Item(s):
 - A. Curriculum Proposal for M.S. Mechanical Engineering-Bailey, Chair of the Curriculum Committee (p. 2).
 - B. Curriculum Proposal for Dairy Products Technology Specialization, M.S. Agriculture-Bailey, Chair of the Curriculum Committee (p. 3).
 - C. Curriculum Proposal for Water Science Minor-Bailey, Chair of the Curriculum Committee (p. 4).
- VI. Discussion:
 - Review advertisements for the SAED Dean position (pp. 5-13).
- VII. Adjournment:

MECHANICAL ENGINEERING DEPARTMENT
School of Engineering

1992-94 CATALOG PROPOSALS

A = Approved, A* = Approved pending technical modification,
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T = Tabled (see Committee Comments), D = Disapproved

V P	A S	C C
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1. CURRICULUM

<u>Core Courses</u>	17
ME 599 Design Project (Thesis) (2)(2)(5) <u>or</u> 9 units of approved technical electives	
Approved courses chosen from MATH, STAT, or CSC (8)	
<u>Adviser approved Mechanical Engineering electives</u>	12
ME 502 Stress Analysis (4)	
ME 517 Advanced Vibrations (4)	
ME 526 Dynamics of Mechanical Systems (4)	
ME 531 Acoustics and Noise Control (3)	
ME 541 Advanced Thermodynamics (4)	
ME 542 Dynamics & Thermodynamics of Compressible Flow (4)	
ME 551 Mechanical Systems Analysis (4)	
ME 552 Conductive Heat Transfer (3)	
ME 553 Convective Heat Transfer (3)	
ME 554 Computational Heat Transfer (3)	
ME 556 Stability of Structural Systems (3)	
<u>Approved technical electives</u>	16

45

II. COMMITTEE COMMENTS

M.S. in Mechanical Engineering

This submission is essentially a change in title and format from an M.S. in Engineering with a Specialization in Mechanical Engineering to an M.S. in Mechanical Engineering.

A concern of the Curriculum Committee which applies to all graduate programs, not just this one, is a guideline as to the size and scope of graduate programs at Cal Poly. We are reviewing at least four graduate program proposals in this cycle and have questioned the standards of "success" for graduate programs. It is the consensus of our committee that a minimum "critical mass" is needed to sustain a program in terms of the numbers of graduate students enrolled and the variety of courses offered. Determining those numbers is not a function of our committee. However, in reviewing proposals we have questioned the small numbers of students in existing programs as well as the clientele in existing graduate courses offered in programs with a small number of graduate students. We believe that this critical mass of students and courses is necessary in order to maintain the quality of the graduate level of instruction and to allow those students enough interactions with their peers, and challenges to their intellects, so as to enhance their experiences. In other words, we know we offer undergraduate programs of the highest quality when compared to other institutions. Can we be sure that our graduate programs can say the same.

DAIRY PRODUCTS TECHNOLOGY SPECIALIZATION,
M. S. AGRICULTURE

School of Agriculture

Date: May 10, 1990

1992-94 CATALOG PROPOSALS

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CC (Curriculum Committee)

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V A C
P S C

A

I. CURRICULUM

<u>Core Courses</u>		12
AG 599	Thesis (6)	
SS 501	Scientific Investigation (3)	
FSN 581	Graduate Seminar (3)	
<u>Required in the specialization</u>		13
DPT 401	Physical and Chemical Properties of Dairy Products (3)	
DPT 402	Quality Assurance and Control of Dairy Products (3)	
DPT 433	Dairy Plant Management and Equipment (4)	
DPT 522	Bioseparation Processes in Dairy Product Technology (3)	
<u>Restricted Electives</u>		20
400-500 level courses approved by the student's graduate committee. At least 8 units must be at the 500 level.		
		45

II. COMMITTEE COMMENTS

M.S. in Agriculture with a Specialization in Dairy Products Technology

It should be noted that no new courses are proposed for this degree program and that the physical facilities already exist and are currently under expansion.

The Curriculum Committee had some questions concerning an adequate number of available 500-level courses to complete this program. This issue has been addressed by the department.

WATER SCIENCE MINOR

School of Agriculture

Date: May 10, 1990

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I. CURRICULUM

Base Core 11

AE 340 Irrigation Water Management (4)

SS 121 Introductory Soil Science (4)

NRM 408 Water Resource Law and Policy (3)

Select one emphasis area: 13--16

Irrigation Emphasis (13)

AE 131 Agricultural Surveying (2)

AE 405 Fertigation (1)

AE 435 Drainage (3)

AE 440 Agricultural Irrigation Systems (4)

AE 492 Pumps and Pump Drives (3)

Watershed Management Emphasis (16)

FOR 440 Watershed Management (3)

FOR 441 Forest and Range Hydrology (3)

FOR 442 Watershed Protection (2)

NRM 304 Ecology of Resource Areas (4)

SS 440 Forest and Range Soils (4)

24-27

II. COMMITTEE COMMENTS

SCHOOL ARCHITECTURE AND ENVIRONMENTAL DESIGN:

The School of Architecture and Environmental Design has an undergraduate enrollment of 1666 students in five undergraduate and two graduate degree programs. Within the School are programs leading to accredited or recognized baccalaureate degrees in Architecture, Architectural Engineering, City and Regional Planning, Construction Management, and Landscape Architecture. The School also awards an accredited Master's in Architecture and a Master's in City and Regional Planning.

The School of Architecture and Environmental Design has 107 faculty members. Many of the members of the faculty members have significant professional experience. It is a matter of policy within the School to encourage faculty to pursue further professional experience through consulting and summer employment.

The School of Architecture and Environmental Design at Cal Poly is one of the largest such schools in the nation. In the 1989-90 academic year, 297 graduates were awarded baccalaureate degrees.

THE UNIVERSITY: One of 20 campuses of The California State University, Cal Poly has built a solid national reputation on its learn-by-doing approach to the preparation of undergraduate and graduate students for careers in applied technical and professional fields with degrees which are built on a strong foundation in the arts, humanities, and sciences. Nearly two-thirds of the University's 16,000 students major in agriculture, architecture and environmental design, business, or engineering.

Cal Poly is located in San Luis Obispo, a city of 40,000 on California's central coast.

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA 93407

CAL POLY

CAL POLY

Applications and nominations are invited for the position of:

DEAN

DRAFT

SCHOOL OF ARCHITECTURE AND ENVIRONMENTAL DESIGN

DEAN

SCHOOL OF ARCHITECTURE AND ENVIRONMENTAL DESIGN

THE POSITION: The Dean is responsible for (1) providing academic leadership and administration of the instructional programs of the School of Architecture and Environmental Design which comprises the departments of Architecture, Architectural Engineering, City and Regional Planning, Construction Management, and Landscape Architecture; (2) coordinating the School's educational, fiscal, personnel and student activities within the established consultative process and policy guidelines of the University; and (3) participating in the development of universitywide policymaking as a member of the Academic Dean's Council. The Dean reports directly to the Vice President for Academic Affairs.

The Dean conducts a continuous evaluation of the effectiveness of the operations of the School; anticipates, develops and institutes, in cooperation with other segments of the University, improvements needed in the instructional program to meet current and future requirements and the Dean will be active in seeking supplemental financial support for both new and existing programs.

QUALIFICATIONS: Applicants must hold a terminal degree in or more of the five disciplines represented in the School. A strong background in one of these disciplines as well as practice-based professional experience is essential. Also required is experience in university and college level instruction and administration which demonstrates ability (1) to advance curriculum development, instruction and scholarly activities; (2) to interact effectively with faculty, alumni, members of the professions and the general public; (3) to develop external support and financial resources; and (4) to provide effective leadership in increasing the multicultural and international character of the curriculum and in promoting educational equity efforts in the School.

COMPENSATION: Salary is commensurate with the background and experience of the individual selected. Cal Poly offers excellent fringe benefits. All rights associated with this appointment are governed by the Management Personnel Plan adopted by the CSU Board of Trustees.

APPLICATIONS AND NOMINATIONS

Each application should include a current resume; the names, addresses, and telephone numbers of at least three professional references; and a statement, in not more than two pages, of the applicant's views on academic administration and on the role and responsibilities of the faculty in a School of Architecture and Environmental Design. The Consultative Committee will begin screening applicants about March 1, 1991. Applications and nominations will be considered until the position is filled. However, applicants are encouraged to submit applications by April 1, 1991 for full consideration. The preferred starting date for the position is August 1, 1991. Cal Poly encourages applications from minorities and women. Applications, nominations, and inquiries should be addressed to:

Dr. Robert D. Koob
Vice President for Academic Affairs
California Polytechnic State University
San Luis Obispo, CA 93407
(805) 756-2186

Affirmative Action/Equal Opportunity,
Title IX, Employer



the university

One of 20 campuses of the California State University, Cal Poly has built a solid national reputation on its learn-by-doing approach to the preparation of undergraduate and graduate students for careers in applied technical and professional fields with degrees which are built on a strong foundation in the arts, humanities and sciences. Nearly two-thirds of the university's 16,000 students major in agriculture, architecture and environmental design, business, or engineering.

Cal Poly is located in San Luis Obispo, a city of 40,000 on California's Central Coast.

the school

The School of Business is organized into the departments of Accounting, Business Administration, Economics and Management. Programs leading to the degrees of Bachelor of Science in Business Administration, Master of Business Administration, and Bachelor of Science in Economics are offered. Both the baccalaureate and graduate programs in business administration are accredited by the American Assembly of Collegiate Schools of Business.

The School also offers an Economics Minor and a Business Minor. The School of Business and the School of Engineering offer a joint MBA/MS degree program and the School of Agriculture has joined the School of Business to offer an Agribusiness specialization within the MBA program. The approximately 65 faculty members in the School teach just over 1900 majors within the School, of which about 200 are graduate students.

CAL POLY
CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA 93407

CAL POLY

Applications and nominations are
invited for the position of:

DEAN

SCHOOL OF BUSINESS



DEAN

SCHOOL OF BUSINESS

the position

The Dean provides leadership and support for the faculty of the School; creates a positive environment for teaching, research, and service; exercises administrative supervision and provides guidance for the School's curricular, fiscal, personal, and student programs; and participates in seeking supplemental financial support for both new and existing programs.

The Dean participates in the development of University-wide policy as a member of the Academic Dean's Council. The Dean reports directly to the Vice President for Academic Affairs.

qualifications

An earned doctorate in a discipline traditionally associated with business; evidence of a strong commitment to excellent teaching and scholarship; administrative experience; a record of effective working relationships with faculty members, staff members, and students; a demonstrated capacity for academic leadership; and strong working relationships with the private sector.

compensation

Salary is commensurate with the background and experience of the individual selected. Cal Poly offers excellent fringe benefits. All rights associated with this appointment are governed by the Management Personnel Plan adopted by the CSU Board of Trustees.

applications and nominations

Each application should include a current resume; the names, addresses, and telephone numbers of the last three professional references, and a statement, in not more than two pages, of the applicants views on academic administration and on the role and responsibilities of the faculty in a Business School. The Consultative Committee will begin screening applicants about September 24, 1990. Applications and nominations will be considered until the position is filled. However, applicants are encouraged to submit applications by October 31, 1990. The preferred starting date for the position is July 1, 1991. Cal Poly encourages applications from minorities and women. Applications, nominations, and inquiries should be addressed to:

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California Polytechnic State University
San Luis Obispo, CA 93407
(805)756-2186
Affirmative Action/Equal Opportunity,
Title IX, Rehabilitation Act of 1973,
Employer



DEAN OF THE SCHOOL OF ARCHITECTURE AND ENVIRONMENTAL DESIGN

THE POSITION: The Dean is responsible for (1) providing academic leadership and administration of the instructional programs of the School of Architecture and Environmental Design which comprises the departments of Architecture, Architectural Engineering, City and Regional Planning, Construction Management, and Landscape Architecture; (2) coordinating the School's educational, fiscal, personnel and student activities within the established consultative process and policy guidelines of the University; and (3) participating in the development of universitywide policymaking as a member of the Academic Dean's Council. The Dean reports directly to the Vice President for Academic Affairs.

The Dean conducts a continuous evaluation of the effectiveness of the operations of the School; anticipates, develops and institutes, in cooperation with other segments of the University, improvements needed in the instructional program to meet current and future requirements and the Dean will be active in seeking supplemental financial support for both new and existing programs.

QUALIFICATIONS: Applicants must hold a terminal degree in one or more of the five disciplines represented in the School. A strong background in one of these disciplines as well as practice-based professional experience is essential. Also required is experience in university and college level instruction and administration which demonstrates ability (1) to advance curriculum development, instruction and scholarly activities; (2) to interact effectively with faculty, alumni, members of the professions and the general public; (3) to develop external support and financial resources; and (4) to provide effective leadership in increasing the multicultural and international character of the curriculum and in promoting educational equity efforts in the School.

COMPENSATION: Salary is commensurate with the background and experience of the individual selected. Cal Poly offers excellent fringe benefits. All rights associated with this appointment are governed by the Management Personnel Plan adopted by the CSU Board of Trustees.

SCHOOL OF ARCHITECTURE AND ENVIRONMENTAL DESIGN: The School of Architecture and Environmental Design has an undergraduate enrollment of 1666 students in five undergraduate and two graduate degree programs. Within the School are programs leading to accredited or recognized baccalaureate degrees in Architecture, Architectural Engineering, City and Regional Planning, Construction Management, and Landscape Architecture. The School also awards an accredited Master's in Architecture and a Master's in City and Regional Planning.

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DRAFT

Short Ad

DEAN OF ARCHITECTURE AND ENVIRONMENTAL DESIGN

California Polytechnic State University
San Luis Obispo, California

The School contains accredited baccalaureate programs in Architecture, Architectural Engineering, City and Regional Planning, Construction Management, and Landscape Architecture, as well as master's degree programs in Architecture and City and Regional Planning. The position is available August 1, 1991. Applications and nominations should be received by April 1, 1991, though recruiting will continue until the position is filled. Information and application instructions may be obtained from Dr. Robert D. Koob, Vice President for Academic Affairs and Senior Vice President, California Polytechnic State University, San Luis Obispo, CA 93407. Affirmative Action/Equal Opportunity, Title IX, Employer.

POTENTIAL SOURCES FOR ADVERTISEMENT

SHORT ADS PLACED:

Architecture

ACSA News Letter
Architectural Record
Progressive Architecture
Architecture California

Landscape Architecture

CELA News
Landscape Architecture Magazine

City and Regional Planning

Job Mart

Construction

Engineering News-Record

Architectural Engineering

ASEE Journal

LONG ADS PLACED:

Chronicle of Higher Education
Cal Poly Report

TIMETABLE
RECRUITMENT FOR DEAN,
SCHOOL OF ARCHITECTURE AND ENVIRONMENTAL DESIGN

January 28-February 6	Review Proposed Advertisement With Departments
February 8	Place Ad in <u>Chronicle of Higher Education</u>
February 20, 27, and March 6	Advertisement to be published in <u>Chronicle of Higher Education</u>
March 1-April 15	Screen Candidates; Request References; Determine Semi-Finalists
March 15	Last day of Winter Quarter classes
March 18-22	Final examination period
By April 26	Review References and Determine Finalists (Top 3-5)
May 1-31	Conduct Interviews
June 1	Recommendation to President
June 7	Last day of Spring Quarter classes
June 10-14	Final Exams

M.S. MECHANICAL ENGINEERING

MECHANICAL ENGINEERING DEPARTMENT
School of Engineering

ate: February 4, 1991

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ME 553 Convective Heat Transfer (3)	
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II. COMMITTEE COMMENTS

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