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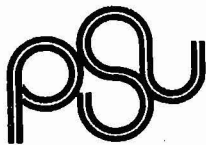
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portland state university

MEMORANDUM



To: Senators and Ex-officio Members of the Senate
From: Ulrich H. Hardt, Secretary of the Faculty *UHH*

The Faculty Senate will hold its regular meeting on December 2, 1985, at 3:00 p.m. in 150 Cramer Hall.

AGENDA

- A. Roll
- *B. Approval of the Minutes of the November 4, 1985, Meeting
- C. Announcements and Communications from the Floor
- D. Question Period
 - 1. Questions for Administrators
 - 2. Questions from the Floor for the Chair
- E. Reports from the Officers of Administration and Committees
 - *1. Curriculum Committee, Annual Report -- Sestak
 - *2. Graduate Council, Annual Report -- Sheridan
 - *3. Library Committee, Annual Report -- Roseberry
 - *4. Scholastic Standards Committee, Annual Report -- Rodich
- F. Unfinished Business -- none
- G. New Business
 - *1. Curriculum Committee Course and Program Proposals, Professional Schools -- Sestak
 - *2. Graduate Council Course and Program Proposals, Professional Schools -- Sheridan
- H. Adjournment

**PLEASE BRING NOVEMBER
SENATE MAILING WITH YOU**

*The following documents are included with this mailing:

- B. Minutes of the November 4, 1985 Meeting
- E¹ Curriculum Committee, Annual Report**
- E² Graduate Council, Annual Report**
- E³ Library Committee, Annual Report**
- E⁴ Scholastic Standards Committee, Annual Report**
- G¹ Additions to G³ Document (November 4)
- G² Summary: 1986-87 Proposed New Programs
- G³ Curriculum Committee Recommendations**
- G⁴ Graduate Council Recommendations**

** Included for Senators and Ex-officio Members only

PORTLAND STATE UNIVERSITY

Minutes: Faculty Senate Meeting, November 4, 1985

Presiding Officer

Pro Tem: Don Moor

Secretary: Ulrich H. Hardt

Members Present: Beeson, Bennett, Bentley, Brenner, Cabelly, Campbell, Cogan, Constans, Cumpston, Diman, Dressler, Dunkeld, Edner, Edwards-Allen, Featheringill, Fisher, Goekjian, Goslin, Grimes, Hammond, Heneghan, A. Johnson, R. Johnson, Kimbrell, Kristof, Lockwood, Lutes, Marty, Maynard, Moor, Morris, Neklason, Newberry, Olson, Parshall, Peterson, Reardon, Rodich, Scheans, Scruggs, Smeltzer, Solie, Sommerfeldt, Soohoo, L. Steward, N. Stuart, Tang, Tracy, Weikel, Westover, Wurm, Wyers.

Alternates Present: Kashoro for Badi'i, Swanson for Bjork, Mercer for Boyle, Bates for Mandaville, Hein for Tayler.

Members Absent: Hakanson, Jones, Kempner, Weikel, Wrench.

Ex-officio Members Present: Bogue, Dobson, Edgington, Erzurumlu, Forbes, Hardt, Harris, Heath, Leu, Miller, Pfingsten, Schendel, Toulan, Trudeau, Williams.

APPROVAL OF THE MINUTES

The minutes of the October 7 meeting were approved as circulated, with Peterson being noted as having been present at that meeting.

ANNOUNCEMENTS

MOOR announced that approximately 20 Senators had not submitted names of their alternates for the Secretary. He also reminded Senators of the standing invitation by the K-House for liquid refreshments following the meeting.

BATES reported on the fall meeting of IFS, held in October in Klamath Falls. IFS expressed concern that little had been accomplished because of lack of activity between meetings and because the Chancellor has been un-receptive to meeting with officers and rejected the request for IFS participation in screening candidates for Vice Chancellor for Academic Affairs. However, the presence of Larry Pierce for an extensive afternoon session was reassuring; also reassuring, according to BATES, is the new liaison between IFS and State AAUP. Other topics of discussion were priorities for the next legislative session (salaries, retirement), retro-active counting of unused sick pay, shrinking full-time faculty at EOSC, review of personnel practices for discriminatory bias, role and mission of PSU, and the academic calendar. On the last topic, discussion of the semester system seems to have shifted to keeping the quarter system but

starting the fall term early so students can compete for Christmas jobs. Faculty wishing to make recommendations to OAA should do so now.

CONSTANS asked what is happening to the recommendations made by departments regarding the use of funds awarded for career development in connection with the peer review. DOBSON replied that letters to faculty were going out this week.

REPORTS FROM OFFICERS OF THE ADMINISTRATION AND COMMITTEES

HARRIS said that fees paid were up 2.7% and student credit hours 4 to 4.5%. Students taking more than 8 hours is up while graduate registration is even with last year.

UNFINISHED BUSINESS

A. JOHNSON moved acceptance of the ARC guidelines for the selection of courses to meet the General Education Requirements, presented by DRESSLER. LUTES asked if petitioning for exceptions would go through normal channels, and the answer was positive. BEESON wanted to know if the December 6 deadline for ARC to receive the recommended lists from departments was realistic and was told that there was a February 1 catalog deadline to meet.

The motion to accept the guidelines was passed.

NEW BUSINESS

The Curriculum Committee and Graduate Council presented their unanimous recommendations for course and program changes from CLAS and reported that both bodies had resolved any problems within the committees. An effort to accept all recommendations in one motion failed, so each department was presented and approved in turn as follows:

- Art
- Chemistry -- courses and program
- English
- Foreign Language

TANG asked whether additional funding for offering the 11 new courses had been discussed. DIMAN responded that all courses had already been taught for three to four years under omnibus numbers. New faculty was already on board.

- Geography
- Geology
- History
- International Studies
- Mathematical Sciences

TANG wanted to know if MTH 100, 100A, 100B was a new numbering system. OLSON explained that MTH 100 is given tutorially; students do not have to attend lecture.

Philosophy
Physics
Speech (except Sp 425) -- courses and program

DRESSLER inquired about budgeting implications of the new courses. GROVE replied that all courses are required by other units. MOOR added that SP 425 will be brought back for consideration at the December meeting.

General Studies/Linguistics

TANG asked how the Chemistry department will advise "well prepared" freshmen to take the appropriate class. DIMAN responded that Bruce Brown did all of the freshman advising and would handle that. WILLIAMS thought that the department needed to define "well prepared." A. JOHNSON explained that students still could take other beginning courses, but the department wanted to encourage chemistry and science majors by offering CH 207, 208, 209 University Chemistry, and RODICH added that the latter sequence would help majors later on.

ADJOURNMENT

The meeting was adjourned at 15:44.

University Curriculum Committee
Annual Report to the Faculty Senate, 1985
December 2, 1985

Committee Members:

Sarah Andrews-Collier (Theatre Arts)
Jim Bentley (Business Administration)
Gerald Blake (Urban Studies)
Lee Casperson (Electrical Engineering)
Eugene Hakanson (Counseling & Testing)
Margaret Heyden (Physical Education)
Byron Lippert (Biology)
Craig Magwire (Math)
Thomas McLean (Economics)
Linda Parshall (Foreign Languages)
Jean Peterson (Social Work)
Barbara Sestak (Art), Chair
Maxine Thomas (Education)
Robert Walker (TV Service)

Consultants: Forbes Williams (Dean of Undergraduate Studies)
Mary Ricks (Director of Institutional Research)

During the calendar year 1985, the University Curriculum Committee reviewed and unanimously recommended for approval by the Faculty Senate a proposal for the initiation of a minor in Computer Applications, seven program changes, one certificate change, 53 new courses, 139 course changes and 17 course deletions. In several cases, modifications on submitted material were made in consultation with the affected departments.

The Curriculum Committee is a calendar-year committee. It functions most effectively if it begins work on program and course proposals in the spring, in anticipation of reporting to the Faculty Senate in early November and December. In order to do so, it is vital that departments meet proposal deadlines as administered by the Office of Academic Affairs.

As the above changes go into effect, advising is increasingly important. The committee also recommends that all courses in the catalog be scrutinized for consistency in stating whether or not they need to be taken in sequence.

PORTLAND STATE UNIVERSITY

November 18, 1985

ANNUAL REPORT 1985

To: Faculty Senate

From: Graduate Council

Wilma Sheridan, Chairperson, Seymour Adler, Sally Althoff, Thomas Dieterich, Barbara Friesen, Pieter Frick, Adriane Gaffuri, Leonard Kimbrell, Joseph Kohut, Robert Millette, Alan Raedels, Vince Williams, Martin Zwick.

Ex-Officio: James Heath, Robert Nicholas, Robert Tufts

The entire Graduate Council met twelve times during the calendar year. In addition, members served on subcommittees to read petitions and prepare recommendations for these petitions and other policy matters throughout the year.

Zola Dunbar was chairperson of the Council through June, 1985. Wilma Sheridan was appointed chairperson to serve for the remainder of the calendar year.

The Council reviewed and acted upon 63 petitions; of this number 56 were approved and 7 were denied.

The Council authorized the Dean of Graduate Studies to review requests of graduate students who are on academic probation to exceed the 9 credit hours limitation and to make decisions in these matters.

The Council acted to clarify the existing interpretation by the Office of Graduate Studies and Research regarding registration for Thesis credits. The Council affirmed the policy that "The candidate is expected to register for dissertation and related research for a minimum of one full academic year." Precisely when the doctoral student registers for these 503 Thesis credits was to be determined by the academic unit offering the program.

The Council voted to change the following guideline to policy:

The University requires that each term graduate students who are involved in activities requiring faculty time and/or the use of University facilities register for a number of credit hours as follows:

- (1) A minimum of one credit hour when taking any comprehensive and/or final examinations.
- (2) A minimum of one credit hour of 501 or 503 courses when engaged in any phase of research related to their graduate programs, such as developing or collecting data or writing a thesis.

The student's department will determine the exact number of credits the student must take in any given term in an amount commensurate with the amount of time required of faculty and/or the use of University facilities during the term.

The Council reviewed and made recommendations to the Faculty Senate on 1 new graduate program, 4 proposed changes in graduate programs, 3/ new graduate courses, 75 changes in existing graduate courses, and 4 graduate courses to be eliminated.

E2

MEMORANDUM

DATE: December 2, 1985
TO: The Faculty Senate
FROM: The Library Committee
SUBJECT: Annual Report - 1985

The Library Committee, a calendar-year, constitutional committee, meets regularly on an advisory basis to the Library.

The Committee's faculty members were:

Dan Passell	PHL	Georgia Ronan Crampton	ENG
Brian Stipak	UPA	Larry Crawshaw	BIO
Lawrence Wheeler	HON	Carl Fanger	EAS
Ann Roseberry, Chair	ED	Myron Hulen	BA

Peggy Hurtado, HON, served as the student representative. Tom Pfingsten, Library Director, represented the Library.

The Committee addressed four major concerns during 1985:

1. The Committee's primary fiscal responsibility is to advise on the allocation of funds for purchase of new materials. All department funds were increased by 15%.
2. The Library Automation Plan, which will involve all of the OSSHE schools, is in its second phase. Last year's requests from the Chancellor to the Legislature for \$6 million dollars were not funded. It is hoped that funding will be available this year.
3. The Metroloan (reciprocal borrowing) Program was evaluated this year. The ratio has been six to seven non-PSU borrowers using the PSU Library to one PSU student or faculty using another library. The major change is to restrict non-PSU undergraduate borrowers to five items.

Recommendations for 1986

The Committee strongly urges the 1986 Committee to focus on two issues:

1. The first, and urgent, issue is Library space. The building stands at one quarter of the space originally planned and needed. Shelving will reach capacity in 1986. Even with 50,000 volumes in storage, shelves are currently holding 694,000 volumes rather than the 420,000 for which the space was designed. After that, increasing numbers of monographs and journals will be moved to storage and study space will be further diminished. It appears that the only solution to this problem is to push for an expansion of the Library.
2. The second, the Library Automation Plan, will require maximum campus input if student and faculty needs are to be met.

AR:ps

PORTLAND STATE UNIVERSITY
SCHOLASTIC STANDARDS COMMITTEE

ANNUAL REPORT TO THE FACULTY SENATE--1985

The Scholastic Standards Committee is charged (a) to "develop and recommend academic standards with a view to maintaining the reputation of the undergraduate program at the University" and (b) to "assist undergraduate students in difficulty with scholastic regulations" including transfer undergraduate students who have had scholastic deficiencies seeking admission and our own undergraduate students seeking re-admission.

OPERATIONS

Between October 11, 1984, and October 17, 1985, the Committee considered 798 petitions. This is within four of the number considered during a comparable time period last year. Three or more of the members of the Committee separately and privately read each petition and supporting documents and voted to grant or deny. The results for the last four years are given on the next page.

RECOMMENDATION

A problem has arisen in Registration and Records caused by a routine practice that has evolved informally over the years.

The problem concerns petitions for retroactive registration (sometimes referred to as late payment of fees). In the existing system a student's registration for a particular term is cancelled when payment is not received by the Registrar by the end of the second week. The student may petition the Deadline Appeals Committee (DAC) for an extension and with their approval may make a late payment. DAC jurisdiction ends at the end of the term and, in subsequent terms, the petition for payment must be made to SSC. SSC has held to a policy of denying petitions where there is no record of contact with DAC during the term in question. This necessitates a transfer of information between committees.

SSC handles other deadline petitions involving problems older than one term (i.e., extensions of incompletes, withdrawals, grade option changes); however, these petitions are from legitimate, registered students. We believe this case involves non-students and does not properly involve University scholastic standards but is purely a deadline problem. Since the appeal is originally made with DAC, we feel they should have the opportunity for final disposition.

This year's SSC suggests that this topic be an agenda item for next year's Committee as unfinished business.

Respectfully submitted,



Grover Rodich, Chair

Committee members: Whitney Bates, Richard Brinkman, Don Hellison, Daphne Hoffman, Charles R. White, Rajinder Aggarwal, Wendy Larson. Advisors: Robert Tufts and Forbes Williams.

SSC STATISTICS

	1982		1983		1984		1985
Admission							
Granted	72	(68%)	79	(74%)	85	(79%)	80 (90%)
Denied	34		28		22		9
Reinstate							
Granted	98	(52%)	107	(51%)	126	(59%)	183 (82%)
Denied	92		103		89		41
Extension of Incomplete							
Granted	74	(81%)	123	(96%)	105	(95%)	105 (95%)
Denied	17		5		5		6
Registration Change after deadline							
Granted	302	(60%)	250	(56%)	185	(50%)	266 (72%)
Denied	198		195		184		103
Grade Change after one year							
Granted							4 (80%)
Denied							1
Summary							
Granted	546	(62%)	559	(63%)	501	(62%)	638 (80%)
Denied	341		331		301		160
TOTAL	887		890		802		798

ADDENDUM

Additions to G3 document in November 4 Senate mailing:

New Courses

CLAS - Black Studies

BSt 305. African History, 1500-1800. (3)

An upper division course designed to survey the history of the African continent from the period of European exploration to the eve of colonialism. Using a lecture/discussion format the course will examine the impact of the European presence on African institutions and trade, and the relative importance of the environment, technology, and indigenous social systems on the transformation of African society prior to 1800. Prerequisite: BSt 205 or consent of instructor.

BSt 306. African History, 1800-present. (3)

An upper division course designed to survey the history of the African continent from 1800 to the present, with emphasis on the colonial period, independence and post-independence. Prerequisite: BSt 205 or consent of instructor.

BSt 424. Afro-American/African Culture in Cinema. (3) grad

An examination of the treatment accorded black culture and individuals in the evolution of the cinema industry. Coverage will include review and analysis of classic film productions from the infancy of Hollywood through to the black urban films of the modern period. Emphasis will focus on the relationships between racial stereotypes and the creation of majority culture perceptions of the black experience. Prerequisite: upper division standing or consent of instructor.

ED - Special Studies

SpEd 525. Student Teaching: Handicapped Learner. (2-15)

Observation and teaching under the direction of a supervising teacher. Students will be provided with opportunities for assuming direct responsibility for the learning activities of the handicapped learner; for developing skill in the techniques of teaching and school room management, and for participating in the life of the school. Prerequisite: SpEd 518.

SpEd 527. Student Teaching: Visually Impaired. (2-15)

Observation and teaching under the direction of a supervising teacher. Students will be provided with opportunities for assuming direct responsibility for the learning activities of the visually impaired; for developing skill in the techniques of teaching and school room management, and for participating in the life of the school. Prerequisite: SpEd 518.

Military Science

MS 199. Special Studies. (Credit to be arranged.)

Changes in Old Courses

BA - Accounting

Actg 314, 315. Principles of Management and Cost Accounting. (3, 3)

Development and use of accounting information for planning, decision making, controlling and evaluating performance and product costing. Topics covered include cost-volume profit analysis, relevant cost analysis, budgeting, capital budgeting, control of decentralized operations, cost estimation, job order costing, process costing, cost allocation, and standard costing.

Prerequisite: Actg 213 for 314; Actg 314 for 315.

(Formerly (Actg 314)-Principles of Cost Accounting and Actg 487-

Advanced Cost Accounting. Change in number, title, and description.)

Changes to G3 document in November 4 Senate mailing:

Page 16. CE 444. Prerequisite - add and CE 325, taken concurrently.

Page 17. CE 561. 2nd sentence of course description should be changed to - Emphasis is placed on the physical, legal and economic aspects and their incorporation into simulation models.

Page 19. EE 512. Add change in prerequisite to EE 411 or equivalent.

Page 19-20. Add to all courses changing credit hours - change in lecture hours.

Page 23. D 455. Credits changed to (3). Add to prerequisite - Maximum 6 credits.

Page 24. TA 412. Add to prerequisite - or consent of instructor. TA 464, 465, 466. Change description to - A survey of dramatic literature from its beginnings to the emergence of the modern theater in the late 19th century together with pertinent facts on theaters and stagings. The course is chronological in its presentation but each term may be taken separately. Special work required for graduate credit.

Page 25. PA 557. Change title to Operations Research in Public Administration. Add final sentence to course description - Methods taught in the course will be in the context of public administration. USP 442. Change title to Community Development Programs and Methods.

Summary: 1986-87 Proposed New Programs

School of Engineering and Applied Science and School of Business Administration

The Schools propose an interdisciplinary MS degree in Engineering Management with areas of concentration in systems management, planning and control, operations research, management of technical organizations, technological marketing and risk analysis, computers, and financial management. If approved, the program will become operational Fall Term 1986. A program coordinator, reporting to the Dean of Engineering and Applied Science, will handle administrative responsibilities.

The program's objectives are to provide a high quality degree which will prepare practicing engineers for managing technical activities and which will provide a professional forum to members of the technical and business communities. Employment opportunities for graduates exist in business and industry, consulting organizations, and government agencies in the Portland area and the Pacific Northwest.

The degree program will require completion of 51 graduate credits: 15 in the Engineering and Applied Science Core, 18 in the Business Administration Core, 6 in Engineering Electives, 9 in Other Electives (selected from courses offered by the School of Business Administration, the School of Engineering and Applied Science (3 max.), the School of Urban and Public Affairs, the Systems Science Ph.D. Program and the Departments of Economics, Mathematical Sciences, and Psychology), and 3 in a Project course, EAS 507. All courses needed are listed in the University's 1985-86 catalog. No new courses will be needed.

Prospective students will be required to hold a baccalaureate degree in an engineering or related discipline from an accredited institution and have four years of professional experience. The number of students admitted to the program will increase by 5 each year from 10 in 1986-87 to a maximum of 30 in 1990-91. If demand exceeds these numbers, applicants admitted will be those judged to have the greatest potential for success based on their past academic performance and professional experience. There are no comparable programs currently operating in Oregon, although the University of Portland offers an undergraduate program.

The proposed program can be launched with existing graduate courses, but one full-time faculty in Engineering and one in Business will be needed along with a part-time secretary. The Engineering faculty member will also serve as the coordinator of the program. Library holdings need to be expanded modestly. Current facilities and equipment are adequate. The budgetary requirements for the first two years are as follows:

	<u>1st Year</u>	<u>2nd Year</u>
Faculty	\$ 50,000	\$ 50,000
Support Personnel	7,500	
Library	1,000	1,000
S & S	<u>2,000</u>	<u>2,000</u>
TOTAL	\$ 60,500	\$ 53,000

The College of Liberal Arts and Sciences proposes a minor in Computer Applications designed to acquaint each student with hardware/software function and design, and provide basic skills which are fundamental to most modern job markets. The principal objective of the minor is to provide opportunities for students to receive comprehensive education in the application of computers to problem solving in the sciences, social sciences, and humanities. This minor is intended as a supplement to the student's education. As such, the minor will complement existing undergraduate degree programs in the College, but might also be attractive to students in some of the professional Schools such as Education and Social Work. If approved, the program will be available starting Spring Term 1986.

The minor program will include 27 quarter hours of study: 12 in computing basics (3 from elementary programming - CS 207 or CS 208 and 9 from advanced computing fundamentals - CS 100, CS 101, and CS 245) and 15 in applications to discipline (12 selected from classes appropriate to the student's declared emphasis and 3 in a research project). Each of the computer science courses are currently offered by the Department of Computer Science and the program will not conflict with the Computer Science major. Most of the CLAS courses will be selected from among those currently offered. A few new courses on particular applications will be needed to support this program within certain major fields.

All students who declare this minor must coordinate their program through one department of their choice in CLAS. Selection of this department constitutes the student's declared emphasis. The department may be the same as or different from the student's major department (including majors outside of CLAS). The student, with assistance from personnel in the selected department, must identify an appropriate advisor to approve a projected course of study. There will be no other admission requirements to the program beyond those already required for admission to PSU. There will be no need to impose enrollment limitations because of the several options available for completing the minor.

No additional library support is needed. The microcomputer, mainframe, and instructional support for this program all exist at the present time. Budgetary requirements for the first four years are as follows:

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>
S & S				
(comp. maint.)	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500
Movable Equipment	0	10,000	0	10,000
Construction or				
Renov. (carrels)	0	2,000	0	2,000
TOTAL	\$ 7,500	\$ 19,500	\$ 7,500	\$ 19,500

December 9, 1985

TO: Faculty Senate

The University Curriculum Committee recommends approval of the following program proposals, program changes, new courses, course changes and course deletions.

School of Business Administration
Management

Program change as submitted

New Courses: ISQA 409, 421, 422, 423, 435, 463

Course Changes: ISQA 111, 329, 335, 344, 345, 429, 439, 449, 459,
461, 462, 469, Mgmt 363

Accounting

Course Changes: Actg 314, 315

School of Education

Course Changes: Coun 485

Course Deletions: SpEd 468

School of Engineering and Applied Science
Civil Engineering

Program change as submitted

New Courses: CE 442

Course Changes: CE 441, 444

Computer Science

Course Changes: CS 355, 356, 431, 432

Electrical Engineering

Program change as submitted

New Courses: EE 372, 425, 426, 431, 432

Course Changes: EE 270, 321, 322, 323, 341, 342, 421, 422, 471, 472

Course Deletions: EE423, 443, 473

Computer Engineering program change as submitted

Mechanical Engineering

Program change as submitted

New Courses: ME 431, 434, 454, 456, 486

Course Changes: ME 311, 312, 422

School of Performing Arts

Dance

Certificate changes as submitted

New Courses: D 235, 350, 450, 455

Course Changes: D 351, 452, 493

Course Deletions: D 350

Theatre Arts

New Courses: TA 326, 327

Course Changes: TA 111, 321, 325, 412, 464, 465, 466

Course Deletions: TA 307

School of Urban and Public Affairs

Urban Studies and Planning

Course Changes: USP 426, 442

CLAS Addendum

Black Studies

New Courses: BST 305, 306, 424

Military Science

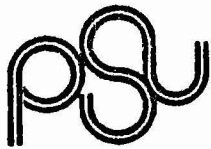
New Courses: MS 199

Proposal for the Initiation of a Curriculum Leading to a Minor in
Computer Applications

Course Change Summary

	New Courses	Course Changes	Deleted Courses
Management	6	13 (6)	
Accounting		2	
Education		1 (1)	1 (1)
Civil Engr.	1	2	
Computer Sci.		3 (2)	
Elec. Engr.	5 (4)	10 (4)	3 (2)
Mech. Engr.	5 (5)	3 (1)	
Dance	4	3	1
Theatre Arts	2	7 (4)	1
Urb.S. & Pln.		2 (2)	
Black Studies	3 (1)		
Military Sci.	1		

NOTE: (#) is the number of 400 level courses in the summary that also carry "grad" designation.



portland state university

G 4

MEMORANDUM

November 7, 1985

To: Faculty Senate

From: Graduate Council

Wilma Sheridan, Chairperson, Seymour Adler, Sally Althoff, Thomas Dieterich, Barbara Friesen, Pieter Frick, Adriane Gaffuri, Leonard Kimbrell, Joseph Kohut, Robert Millette, Alan Raedels, Vince Williams, Martin Zwick.
Ex-Officio: James Heath, Robert Nicholas, Robert Tufts

The Graduate Council has reviewed the following proposals for program changes, including new courses, elimination of courses, changes in catalog descriptions, changes in degree programs, and one new degree program. The Council approved all of the following:

New Degree Program

An Interdisciplinary MS Degree in Engineering Management with areas of concentration in systems, management, planning and control, operations research, management of technical organizations, technological marketing and risk analysis, computers, and financial management. Minor changes were made in the wording of the document to reflect a closer affiliation with the Systems Science offerings.

Changes in Existing Programs

The School of Engineering proposes to change the names of the existing MA/MS degree programs as follows: MA/MS in Engineering-Civil to MA/MS in Civil Engineering; MA/MS in Engineering-Electrical and Computer to MA/MS in Electrical and Computer Engineering; and MA/MS in Engineering-Mechanical to MA/MS in Mechanical Engineering.

The Department of Electrical Engineering proposes a change in requirements to one complete course sequence plus EE 580 and to eliminate the requirement of EE 581 and EE 582 or at least three common core courses.

New Courses

Sp 425 grad	EE 570, 571	PA 535
COUN 580	ME 431 grad	PA 557
COUN 590	ME 434 grad	BSt 424 grad
SpEd 525	ME 454 grad	
SpEd 527	ME 456 grad	
EE 425 grad	ME 486 grad	
EE 426 grad	ME 552 554	
EE 431, 432 grad	ME 553	

Courses to be Eliminated

SpEd 468 grad
EE 423 grad
EE 443 grad

Changes in Existing Courses

ISQA 429 grad Change in prefix and title
ISQA 439 grad Change in prefix and title
ISQA 449 grad Change in prefix and title
ISQA 469 grad Change in prefix and title
Mktg 565 Change in prerequisites
Coun 485 grad Change in title and description
CE 547 Change in number and prerequisite
CE 561 Change in title and description
CS 431, 432 grad Change in credit hours and addition of laboratory hours
EE 421, 422 grad Change in title, description, prerequisites and division
of sequence
EE 471, 472 grad Change in description, prerequisites, division of sequence,
and addition of graduate option
EE 511 Change in credit hours and prerequisites
EE 520, 521, 522 Change in credit hours and prerequisites
EE 530, 531 Change in credit hours
EE 532 Change in description, credit hours, and prerequisite
EE 541 Change in credit hours and prerequisite
EE 542 Change in credit hours
EE 543 Change in credit hours
EE 550, 551, 552 Change in credit hours
EE 560 Change in credit hours
EE 561 Change in credit hours
EE 562 Change in credit hours
EE 575 Change in credit hours and prerequisite
EE 576, 577 Change in credit hours
EE 580 Change in credit hours
EE 581 Change in credit hours
EE 582 Change in credit hours and prerequisite
ME 422 grad Change in prerequisites
TA 412 grad Change in prerequisites
TA 464, 465, 466 grad Change in title
USP 426 grad Change in title and catalog description
USP 442 grad Change in title and catalog description

EE 512 Change in credit hours and prerequisite