

UNIVERSITY FACULTY SENATE

SUMMARY OF AGENDA

for

April 12, 1982

- I. ADOPTION OF THE AGENDA
- II. APPROVAL OF THE MINUTES: March 1, 1982
- III. REMARKS BY PRESIDENT TRABANT and/or PROVOST CAMPBELL
- IV. ANNOUNCEMENTS - SENATE PRESIDENT HOFFECKER
- V. OLD BUSINESS
 - *A. Recommendation to change the procedure for selecting the chair of the Academic Complaints Committee.
- VI. NEW BUSINESS
 - A. Recommendation for an addition to the Senate Alcohol Policy
 - B. Recommendation for provisional approval of a Ph.D. in Oceanography
 - C. Recommendation regarding faculty member on the Board of Trustees
 - D. Recommendation on course numbering: 500 numbered courses
 - E. Recommendations on course numbering: double numbered courses
 - F. Introduction of New Business

*Bylaw change; requires a 2/3 vote of those senators present and voting

UNIVERSITY OF DELAWARE
NEWARK, DELAWARE
19711

UNIVERSITY FACULTY SENATE
303 MULLIHEN HALL
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March 29, 1982

MEMORANDUM

TO: All Faculty Members

FROM: James D. Culley, Vice President *Jim Culley*
University Faculty Senate

SUBJECT: Regular Faculty Senate Meeting, April 12, 1982

In accordance with Section IV, paragraph 6 of the Constitution, the regular meeting of the University Faculty Senate will be held on Monday, April 12, 1982 at 4:00 p.m. in room 110 Memorial Hall.

AGENDA

- I. Adoption of the Agenda.
- II. Approval of the Minutes of the regular Senate meeting of March 1, 1982.
- III. Remarks by President Trabant and/or Provost Campbell.
- IV. Announcements - Senate President Hoffecker.
- V. Old Business
 - A. Report from the Rules Committee (H. Lee, Chair), and recommendation for approval of a resolution to change the method of designating the chair of the Academic Complaints Committee. (Note: this resolution was returned to the Rules Committee at the December 7, 1981 Senate meeting, with a request that they consider its applicability for other Senate committees.)

RESOLVED, that the Faculty Senate Bylaws III: Standing Committee System of the Faculty and its Senate, University Review Committee for Academic Complaints (p. I-14 of the present Faculty Handbook), last line, is changed to read:

The committee shall, each year, designate a chairperson of the committee for the following year from among the committee's continuing members.

VI. New Business

- A. Recommendation from the Committee to Regulate the Use of Beverage Alcohol (S. Hastings, chair) for an addition to the Faculty Senate Policy on beverage alcohol.

RESOLVED, that the following sentence is added as Section II b. of the "Explanation of Regulation" (page 1) of the Faculty Senate Policy Concerning use of Alcoholic Beverages; the present Section II b. becomes II c.:

- b. Newark City Code, Chapter 19, Section 5 makes it unlawful for a minor to possess or consume any alcoholic beverage within the city except when the possession or consumption is part of a religious service or for medicinal purposes.
- B. Recommendation from the Coordinating Committee on Education (R. Callahan, chair) for approval of a curriculum for and degree of Ph.D. in Oceanography. (See Attachment 1. The complete program proposal and the report of the outside evaluators are available in the Senate Office.)

RESOLVED, that the Faculty Senate approves the curriculum for and the establishment of the degree of Ph.D. in Oceanography, effective September, 1982, on a four-year provisional basis, with review for final approval to take place in the Fall of 1986; the curriculum is presented in Attachment 1 of this Agenda.

- C. Recommendation from the Committee on Committees (J. Morrison, chair) for approval of a resolution regarding faculty representation on the Board of Trustees.

WHEREAS the Committee on Committees believes it is desirable to retain faculty representation on the Board of Trustees, and

WHEREAS the term of the faculty member presently serving on the Board expires on September 29, 1982, and

WHEREAS the Governor has expressed an interest in obtaining faculty input into his decision regarding his appointment to fill this vacancy, therefore be it

RESOLVED that the Executive Committee of the Faculty Senate, acting as a nominating committee, shall:

1. Solicit and receive faculty nominations, accompanied by a vita and supporting statement, of tenured faculty members willing to serve on the Board if appointed;
2. Review the nominations, using as criteria for candidacy such

- qualifications as familiarity with the University and its operations, involvement in faculty activities, ability to represent a broad range of faculty and University concerns, and length of service at the University; and
3. Forward to the Governor within one month of passage of this resolution no more than 10 names, listed in alphabetical order.

For additional information regarding Items D and E see Attachment 2: Report of ad hoc Committee on Double Numbering Courses at Undergraduate and Graduate Levels.

- D. Recommendation from the Coordinating Committee on Education (R. Callahan, chair) regarding course numbering policies.

RESOLVED, effective September, 1982 the course number description for 500 level courses shall read as follows:

500-599 Graduate courses for the non-specialist.
May not be taken for graduate credit in a student's major. With approval of a graduate student's major department, 500-level courses taken outside the student's major may be counted toward a graduate degree.

- E. Recommendations from the Coordinating Committee on Education (R. Callahan, chair) regarding double-numbering of courses.

1. WHEREAS the stated policy requiring a distinction between the 400 and 600 level standards of expectation and grading is not being followed in many cases, therefore be it

RESOLVED that department chairs shall establish procedures to review and ensure conformity with the stated Senate policy requiring a distinction between the 400 and 600 level standards of expectation and grading, and shall establish an academic basis that governs the dual numbering of their courses.

2. WHEREAS the stated policy allows the use of double numbering in what was expected to be only a "few cases" and current practice is not consistent with this expectation, therefore be it

RESOLVED that department chairs shall inform the Senate, through its Committee on Graduate Studies, of the means by which this Senate policy is implemented in their departments, and until these data are forthcoming from a department that department will not be able to double number courses.

3. WHEREAS some undergraduates now register for a course unaware that it is double numbered and that some or many of the students will be graduate students, therefore be it
RESOLVED that course registration materials shall clearly inform students about those courses which are double numbered.
 4. WHEREAS in practice there are many double numbered courses involving courses below the 400 level, therefore be it
RESOLVED that double numbering will be permitted only between 400 and 600 level courses, and care shall be exercised wherever possible to see that the two course numbers are symmetrical (e.g. QU407-QU607).
 5. WHEREAS a clear definition of course numbering now exists for publication in the course catalog, therefore be it
RESOLVED that department chairs shall do their utmost to adhere to the course definitions described in the course catalog.
 6. WHEREAS a number of anomalies currently exist in dual numbered courses (e.g. 800-600 and 600-300), therefore be it
RESOLVED that department chairs shall review department course offerings to remove, as expeditiously as possible, these anomalies.
 7. RESOLVED, that items 1 through 6 above shall be implemented as soon as possible, and not later than the end of the 1982 Fall semester (January, 1983).
- F. Such items as may come before the Senate. (No motion introduced at this time may be acted upon until the next meeting of the Senate.)

JDC/b

Attached: Committee Activities List

1. Proposed Ph.D. Program in Oceanography
2. Report of ad hoc Committee on Double Numbering Courses

March 29, 1982

COMMITTEE ACTIVITIES

The following issues are under active discussion in Senate committees. Your comments are welcome, and may be addressed to the committee chairpersons, or to the Senate Office for forwarding to the committees.

ACADEMIC COMPLAINTS (Deborah Kliman, Chairperson)

Deliberations on an academic complaint before the
Committee
Consideration given to formalizing Committee procedures

ACADEMIC FREEDOM (Ludwig Mosberg, Chairperson)

Classified Research

BEVERAGE ALCOHOL (Steven Hastings, Chairperson)

Review of the Faculty Senate Policy on Alcoholic Beverages

COMMITTEE ON COMMITTEES (James Morrison, Chairperson)

Retired faculty interests and concerns
Faculty Senate Committee appointments

COORDINATING COMMITTEE ON EDUCATION (Raymond Callahan, Chairperson)

Revisions in Arts and Science Curriculum

EDUCATIONAL INNOVATION AND PLANNING (Laurence Kalkstein, Chairperson)

Improvement of existing University remedial education programs

INSTRUCTIONAL RESOURCES (Jeanne Rymer, Chairperson)

Establishing a central directory for instructional materials
Meeting faculty needs for pre-print graphics

PERFORMING ARTS SUBCOMMITTEE (Frank Dilley, Chairperson)

Review of proposals for funding for performing arts groups

RESEARCH (Dietrich Knorr, Chairperson)

Classified Research

STUDENT AND FACULTY HONORS (Selcuk Guceri, Chairperson)

Modifications in the Degree with Distinction Program
Selection of Excellence in Teaching Awardees
Nomination for the Alison Award
Preparations for Honors Day

UNDERGRADUATE STUDIES (Val Arnsdorf, Chairperson)

Grading Policy
Class size
Policy on Associate Degrees
Approved College of Arts and Science General Education Requirements as
amended (2/11/82)

Summary of the Proposal for the
Doctor of Philosophy in Oceanography

From the College of Marine Studies to the University Faculty Senate

1. Name of the Proposed Degree

Doctor of Philosophy (Ph.D.) in Oceanography

2. Justification for the Degree

Oceanography is a rapidly evolving science with strong growth in both research activity and numbers of trained professionals during the past decade. Many career opportunities are now open for students completing graduate degrees in oceanography. Most of these are in research programs where the Ph.D. in Oceanography is the principal qualification. It is thus timely and important for the University of Delaware to offer the Ph.D. in Oceanography within the College of Marine Studies (CMS).

A substantial number of institutions are active in granting the Ph.D. in Oceanography. The program at Delaware will be distinct in clearly offering a program centered upon coastal and estuarine oceanography. Nearly all other institutions offering the degree have programs which are exclusive or nearly so in their emphasis on the deep ocean.

3. Career Opportunities and Expected Student Numbers

A recent National Academy of Sciences study gave the following information relating to the Ph.D. in Oceanography.

In 1978 there were about 2600 doctoral level oceanographers employed in the United States; this was a fourfold increase over the number working in this field in 1962. The rate of increase of doctoral ocean scientists was larger than for any of the other major scientific fields.

Among the 1100 persons who earned doctorates in oceanography prior to 1979, approximately 70 percent now work in oceanography; the remainder have moved into other science fields. Less than 2 percent were unemployed or seeking employment in 1977.

These statements show clearly that employment opportunities in oceanography have been growing rapidly, there is little unemployment in the field, and a significant shift is occurring within the field toward obtaining the Ph.D. in Oceanography as a prerequisite to employment.

4a. Requirements for Admission to Program

Students will be admitted to the program by the process of competitive application. Entering students will be expected ordinarily to have earned the Master of Science or its equivalent in oceanography or the related fields. Those entering with only a baccalaureate degree will first be accepted into the M.S. in Marine Studies (Oceanography) program; however, after completing required introductory courses and performing exceptionally on a screening examination, they may be invited by vote of the Oceanography Program faculty to bypass the M.S. degree and proceed directly toward the Ph.D. The admissions policy will otherwise be the same as that in effect for the present Marine Studies degrees.

4b. Course Requirements and Offerings

All students will be required to complete the 3-credit core course in each of the four basic subfields of oceanography: biological, chemical, physical, and geological oceanography. In addition, students will be required to complete Introduction to Applied Ocean Science (3 credits) and Introduction to Marine Policy (3 credits).

Beyond these required basic courses (18 credits), at least 15 credits beyond the masters program at the 800 level are required, of which six must be in oceanography. The Oceanography Seminar must be taken at least once per year of residence. Students must also register for a minimum of nine credits in Research or Dissertation during residence.

4c. Examinations and Proficiency Criteria

Ph.D. students will be required to pass a screening examination in oceanography, either at the beginning of their residence, if they have a masters in oceanography, or at the end of their first year of residence. They will then normally take the Ph.D. qualifying examination in their second year of residence.

A demonstration of proficiency or relevant experience is also required in the following areas: research cruise, statistics, computer data processing, written and oral communication, and appreciation of a foreign language or culture.

4d. Dissertation Requirements

Procedures and requirements for the dissertation will be the same as the present ones for the Ph.D. in Marine Studies.

5. Faculty for the Program

Present CMS core, adjunct, and joint faculty who will be members of the Oceanography Program are listed in Table 1.

A search is presently under way in the CMS for another physical oceanographer.

 Table 1. Faculty for the CMS Oceanography Program

Core Faculty

Robert B. Biggs	coastal geology
Thomas M. Church	solution geochemistry
Charles H. Culberson	physical chemistry of seawater
Charles E. Epifanio	zooplankton and larval ecology
Richard W. Garvine	circulation dynamics
Ronald J. Gibbs	marine geochemistry
Kenneth Mopper	organic chemistry of seawater
Jonathan H. Sharp	marine biological chemistry
Mary A. Tyler	phytoplankton ecology and physiology
Jin Wu	wind waves and air-sea interaction

Joint Appointment Faculty

Cort J. Willmott	physical climatology
Carolos J. Lozano	ocean wave dynamics
Robert H. Wood	electolyte chemistry
Billy Glass	geological oceanography
Robert Sheridan	marine geophysics

Adjunct Faculty

Norden E. Huang	wind waves
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6. Staff for the Program

No new positions are needed for salaried staff and professional staff. Presently available resources of the CMS and additional research grant funds generated by the faculty will be used for all staff and professionals.

7. Student Financial Aid

One CMS student fellowship will be assigned from the block grants presently awarded to the College of Marine Studies from the University to the Oceanography Program. One teaching assistantship for courses in the Oceanography Program will be available from the CMS. Research assistantships will be funded from grants and contracts to Oceanography faculty and staff, as presently.

8. Funds Required to Adminster Program

No new funds will be required for supplies and administrative services. Those presently available to the CMS faculty will be adequate. No new space or special equipment will be needed.

Modest funds will be requested of the CMS for recruiting students, some of which may be available from special sources.

9. Library and Instructional Aids

The library resources at the Marine Library in Lewes and those in the Morris and branch libraries in Newark are adequate. No major expansion would be needed to support the degree program.

A special instructional resource that is both available and desirable for the program is the R/V Cape Henlopen. Funds have been available in the past for training cruises, and should also be available in the future.

10. Impact and Implications at the University of Delaware

The College of Marine Studies now administers three degree programs, the M.S. and Ph.D. in Marine Studies, and the Master of Marine Policy. Part of the initial enrollment for the Ph.D. in Oceanography will be drawn from those students who would have enrolled for the Ph.D. in Marine Studies, but who will prefer to obtain a degree which more accurately reflects their area of concentration. Future recruitment of CMS students will be based on the existence of four new interdisciplinary academic program areas within the College. The academic program reorganization is expected to improve our competitive position not only in the recruitment of oceanography students, but also other marine-oriented students interested in an interdisciplinary graduate experience.

Outside of the CMS, the degree program should not alter interaction between the CMS and other units of the University. In the Departments of Chemistry, Geography, Geology, Mathematics, and Physics, the School of Life and Health Sciences, and the College of Engineering there is special interest in this degree proposal, particularly from those faculty who hold joint appointments in the CMS and who might advise students in the proposed program.

REPORT OF THE AD HOC COMMITTEE ON DOUBLE NUMBERING
COURSES AT UNDERGRADUATE AND GRADUATE LEVELS

HISTORY

1. Prior to the mid 1970s the course numbering scheme for 400-level courses and above was the following:

- 400 to 499 Advanced undergraduate (senior-level)
- 500 to 549 Advanced undergraduate and graduate level courses
- 550 to 589 Graduate level courses
- 590 to 599 Graduate level courses--no degree credit
- 600 to 699 Advanced undergraduate and graduate level courses
- 800 to 899 Graduate level courses
- 900 to 999 Ph.D. level courses

The 500 series of graduate courses includes courses that contribute to the professional development of the college graduate but do not contribute to a research-oriented degree in the field in which the course is offered. Courses numbered from 500 to 549 are open to graduate students and advanced undergraduate students. Courses numbered 550 to 589 are open to graduate students only. The group includes courses in which the subject content may be covered by currently enrolled undergraduate majors but may be entirely new to students who graduated earlier or did not major in the field. It may also include courses primarily for students with experience beyond the baccalaureate degree. Courses numbered from 590 to 599 include those that give graduate students the tools they need outside their own field, e.g., special courses in languages designed to give the student competence to use the language in his own research. These courses are open to graduates only but do not carry credit for an advanced degree.

2. In the 1974-75 period, two things occurred:
 - a. The Committee on Graduate Studies adopted a redefinition of 600 level courses (see section 3 below).
 - b. The University adopted a policy of charging undergraduates an additional fee (above the full-time tuition fee) equal to one-half of the per credit hour charge for each credit hour over 15. The credit hour charge was based on the course number, 000-499 designated undergraduate and 500-999 designated graduate, with the fee for graduate credit about 1/3 higher than the fee for undergraduate credit. Thus an undergraduate who took a 600 level course in addition to a full-time load of 15 credits paid more than a student who took a 400 level course as an additional course.
3. In response to these two matters a double-numbering system evolved whereby both a 400 and a 600 number were assigned to many courses previously taught at the 600 level. Authorization for this practice is found in the revised policy on 600 numbered courses for undergraduates passed by the Senate, February 3, 1975:

600 numbered courses are graduate-level courses open to advanced undergraduates with the consent of the instructor. There should be a single standard of expectation and grading. In those few cases where the number of either undergraduate students or graduate students does not permit adequate

offerings a graduate 600-numbered course may be combined with a separately numbered undergraduate course in the same section. The graduate component must then be offered with a graduate standard of expectation and grading.

The appropriateness of 600-numbered courses for undergraduate credit is subject to review by the Committee on Undergraduate Studies.

4. Subsequent to the above changes, the fee structure for full-time undergraduates was changed so that the credit hour charge for credits in excess of 15 was based on the charge for undergraduate courses only. Thus one of the reasons for adopting a dual-numbering system was nullified.

CURRENT STATUS

5. Currently 400 and 500 level courses are defined as in Section 1, and 600 level courses are defined as in Section 3.

RECOMMENDED CHANGES

6. The catalog description of 500 level courses is so complicated that it is seldom followed. It is proposed that this description be replaced as follows:
500-599 Graduate courses for the non-specialist. May not be taken for graduate credit in a student's major. With approval of a graduate student's major department, 500-level courses taken outside the student's major may be counted toward a graduate degree.
7. Double numbering of courses at the graduate and undergraduate level should be continued, although some changes in current double-numbering practices and policy are recommended. Several departments have testified that their undergraduate and/or graduate programs would be severely handicapped if they were not permitted to double number some of their courses. The committee does not feel that the potential benefits of abolishing double numbering are sufficient to outweigh the costs which such a change would apparently impose on several departments. Moreover, one serious potential problem of double numbering, which is the academic integrity of 600 level courses, would not be solved by its abolishment. In order to solve problems related to double numbering, the following resolutions are proposed:
 - a. WHEREAS the stated policy requiring a distinction between the 400 and 600 level standards of expectation and grading is not being followed in many cases, therefore be it
RESOLVED that department chairs shall establish procedures to review and ensure conformity with the stated Senate policy requiring a distinction between the 400 and 600 level standards of expectation and grading and shall establish an academic basis that governs the dual listing of those courses.
 - b. WHEREAS the stated policy allows the use of double numbering in what was expected to be only a "few cases" and current practice is not consistent with this expectation, therefore be it

RESOLVED that department chairs shall inform the Senate of the means by which Senate policy is implemented in their departments and until these data are forthcoming from the department, the department will not be able to double list courses.

- c. WHEREAS some undergraduates register for a course unaware that it is double listed and that some, or many, of the class will be graduate students, therefore be it

RESOLVED that course registration materials should clearly inform students that this is the case for double-numbered courses.

- d. WHEREAS in practice there are many double-numbered courses involving courses below the 400 level, therefore be it

RESOLVED that double numbering be only between 400 and 600 level courses and care should be exercised wherever possible to see that the number at both levels is symmetrical (e.g. QU407-QU607).

- e. WHEREAS a clear definition of course numbering already exists in the course catalog, therefore be it

RESOLVED that department chairs do their utmost to adhere to course definitions described in the course catalog.

- f. WHEREAS a number of anomalies currently exist in the dual listing of courses, therefore be it

RESOLVED that department chairs shall review their course offerings to remove, as expeditiously as possible, these anomalies.

IMPLEMENTATION

8. Recommend that Number 6 be implemented in September, 1982, and the balance as soon as possible thereafter and not later than the end of the 1982 Fall semester (January, 1983).