

DRAFT UNTIL APPROVED BY SENATE

MINUTES OF A MEETING OF THE SENATE OF SIMON FRASER UNIVERSITY HELD  
MONDAY, DECEMBER 6, 1976, 3172 ADMINISTRATION BUILDING, 7:00 P.M.

OPEN SESSION

Present: Jewett, P., Chairman

Birch, D. R.  
Bittle, D. E.  
Blaney, J. P.  
Brown, R. C.  
Calvert, T. W.  
Carlson, R. L.  
Catalano, J. A.  
Cunningham, F.  
Dobb, T. C., representing D. A. Baird  
Emery, B. E.  
Fattah, E. A.  
Finlayson, T.  
Hindley, M. P.  
Hutchinson, J. F.  
Ironsides, R. A.  
Jones, C.H.W.  
Latham, L.  
McClaren, M.  
McGuire, G.  
Munro, J. M.  
Okuda, K.  
Overholt, M. J.  
Severy, L.  
Sterling, T. D.  
Thomas, S.  
Walkley, J.  
Webster, J. M.  
Wemyss, I. D.  
Wheatley, J.  
Wilson, B. G.

Absent: Arrott, A. S.  
Barlow, J. S.  
Buitenhuis, P.  
Cunningham, A. B.  
Curzon, A. E.  
Davison, A. J.  
Dawson, A. J.  
Debo, R. K.  
Diamond, J.  
Doherty, P. M.  
Ellis, J. F.  
Erickson, D. A.  
Glas, T.  
Hindle, L.  
Johl, R.  
Knight, D. E.  
MacDonald, B. L.  
Mackauer, J.P.M.  
Martel, A. G.  
Walker, R. E.

In attendance: N.M.G. Bhakthan  
D. Buckley

Evans, H. M., Secretary  
Nagel, H. D.  
Norsworthy, R., Recording Secretary

S.M. 6/12/76

1. APPROVAL OF AGENDA

The agenda was approved as distributed.

2. APPROVAL OF MINUTES

The minutes of the Open Session of November 8, 1976 were approved as circulated.

3. BUSINESS ARISING FROM THE MINUTES

The Chairman advised that comments were currently in course of preparation in response to a request from the Post Secondary Coordinating Committee relating to transfer credit, and that a submission would be considered by the Senate Undergraduate Admissions Board prior to its transmittal to Senate.

4. REPORT OF CHAIRMAN

i) Paper S.76-153 - Annual Report - For Information

It was suggested that any questions regarding the Financial Statement should be referred to the Senate Committee on University Budget.

The Chairman commented that there was intention to meet with the Presidents of the other universities with a view to making minor revisions to the Universities Act and any suggestions, particularly for clarification, should be forwarded to the Secretary of Senate.

J. Munro enquired regarding the status of the proposed English Language Placement Test and was informed that the University would be participating in discussions with the Department of Education and was currently seeking clarification of the work that has already been done on the matter.

5. REPORTS OF COMMITTEES

i) Senate Committee on Undergraduate Studies

D. Birch stated that, inasmuch as the large volume of material contained in Papers S.76-154 through S.76-166 had been considered by the faculties and faculty committees prior to approval by the Senate Committee on Undergraduate Studies, it was his intention now to move formally as though they were individual motions all the motions set forth in the documentation with the suggestion that any particular items could be separated for specific consideration. Such motion was then made by D. Birch, seconded by J. Catalano.

Motions were then made to divide the questions of the following papers:-

Moved by R. Ironside, seconded by B. Emery,

"That Paper S.76-161 be divided from the others" -

(Motion to divide carried);

Moved by L. Severy, seconded by I. Wemyss,

"That Paper S.76-158 be divided from the others" -

(Motion to divide carried);

Moved by R. McGuire, seconded by R. Ironside,

"That Paper S.76-155 be divided from the others" -

(Motion to divide carried).

Question was then called on the papers and motions not divided, and on the divided questions with all questions not divided approved, and overall results as follows.

a) Paper S.76-154 - Department of Archaeology Course Changes

Moved and seconded -

1. "That Senate approve, and recommend approval to the Board of Governors, the prerequisite changes, as set forth on page 1 of S.76-154, as follows:

For Archaeology 272-3 from 'prerequisite: ARC. 101 or 131' to 'prerequisite: ARC. 131 is recommended' and for ARC. 273-3 from 'prerequisite: ARC. 101 or 131' to 'prerequisite: ARC. 101 is recommended.' "

Note: ARC. 101 and 131 were introduced as prerequisites on a trial basis this year. It is now the judgment of the Department that lessening the prerequisite will make the courses more widely available to interested students without jeopardizing their quality.

MOTION CARRIED

Moved and seconded,

2. "That Senate approve, and recommend approval to the Board of Governors, the proposed new courses, ARC. 340-3 - Introductory Zooarchaeology and ARC. 440-3 - Advanced Zooarchaeology."

Note: The introduction of these two courses is entirely consistent with the orientation and objectives of the Department. The courses reflect the appointment of Dr. Richard Casteel during the past year to provide leadership in the field of Zooarchaeology.

MOTION CARRIED

b) Paper S.76-155 - Department of Economics and Commerce Curriculum Changes and New Course Proposals

It had been moved by G. McGuire and seconded by R. Ironside, and approved that paper S.76-155 be separated for consideration.

Moved and seconded,

1. "That Senate approve, and recommend approval by the Board of Governors, the proposed change in requirements for a minor in Economics and for a minor in Commerce, as set forth on page 2 of Paper S.76-155."

An amendment was moved by G. McGuire, seconded by R. Ironside, "That the requirement for a Commerce minor remain at 6 hours of Lower Division course work." K. Okuda provided information that the Department was asking for the same requirement in Commerce as for Economics, i.e. 9 lower division credits derived from any 100 level course and two 200 level courses. The Secretary noted that the amendment was unacceptable, and, with the consent of the seconder, the amendment was withdrawn.

It was then moved by McGuire, seconded by R. Ironside,

"That Motion 1 be referred back to the Senate Committee on Undergraduate Studies."

R. Brown spoke against referral on the grounds that the majority of minors in the University have a 9 hour component required at the lower division as a broad grounding is necessary prior to attempting upper division work. G. McGuire suggested that had the rationale presented as clear a statement as that of K. Okuda any misunderstanding of the intent of Motion 1 could have been avoided.

Question was called on the motion to refer, and a vote taken.

MOTION TO REFER FAILED

Question was called on Motion 1, and a vote taken.

MOTION 1 CARRIED

Moved and seconded,

2. "That Senate approve, and recommend approval to the Board of Governors, the proposed change in requirements for a major in Commerce, as set forth on page 3 of Paper S.76-155."

MOTION 2 CARRIED

Moved and seconded,

3. "That Senate approve, the recommended approval to the Board of Governors, the proposed change in prerequisites for ECON 490-5 from 'ECON 301-5 (or 302-3)' to 'ECON 301-5 (or 302-3) or permission of the Department' and that the prerequisite for ECON 331-5 - Introduction to Mathematical Economics be changed from 'ECON 200-3 and 205-3 and MATH 150-5 and 151-3' to 'ECON 200-3 and 205-3 and MATH 150-3 or 151-3 and ECON/COMM 231' as set forth on pages 3 and 4 of Paper S.76-155."

Note: The Department of Economics and Commerce forwarded through the Faculty of Arts to SCUS a recommendation that the words "students who have received twenty hours credit or more of mathematics courses may not take this course for credit" be added to the prerequisite statement for ECON 331-5. Representatives of the Department suggested that advanced mathematics students find that ECON 331-5 contains little new material and their presence in the class presents difficulties. In the view of Department members such students are effectively duplicating work for which they have previously received credit. Discussion in SCUS led to the conclusion that the proposed prerequisite statement would exclude students who could well profit from the course and fail to exclude some who, in the view of Department members, might profit from the course. Accordingly, the more limited recommendation is proposed.

MOTION 3 CARRIED

Moved and seconded,

4. "That Senate approve, and recommend approval to the Board of Governors, the proposed change in calendar description for ECON 435-5, as set forth on page 4 of Paper S.76-155."

MOTION 4 CARRIED

Moved and seconded,

5. "That Senate approve, and recommend approval to the Board of Governors, the deletion of ECON 440-5 - International Economics, and COMM 423-5 - Advanced Accounting, from the calendar and from the curriculum of the Department of Economics and Commerce.

Note: ECON 440-5 is being superseded by the proposed new courses ECON 442-3 - International Trade, and ECON 445-3 - International Finance. COMM 423-5 is being phased out in favor of the new accounting courses approved in December 1975. It will be offered for the final time in the Summer semester 1977.

MOTION 5 CARRIED

Moved and seconded,

6. "That Senate approve, and recommend approval to the Board of Governors, the proposed new courses ECON 442-3 - International Trade, and ECON 445-3 - International Finance, as set forth on pages 6 through 9 of Paper S.76-155."

MOTION 6 CARRIED

c) Paper S.76-156 - Department of English Program and Course Changes

Moved and seconded,

1. "That Senate approve, and recommend approval to the Board of Governors, the change in requirements for honors in English, as set forth in Paper S.76-156."

Note: The Department will not allow courses from outside English to substitute for the honors courses, but the present statement seems to indicate that it will not allow any English course to be substituted. This is not the intention, and therefore the wording has been changed for clarification.

MOTION CARRIED

Moved and seconded,

2. "That Senate approve, and recommend approval to the Board of Governors, the proposed change in description for ENGL 494-4 - Honors Directed Reading from 'Supervised reading in a general field for research toward an honors essay,' to 'Supervised reading in a general field for the purpose of isolating a special topic in that field for research toward an honors essay. With the Department's approval a student may substitute ENGL 441, 443 or 445 for this course.' "

Note: The addition of the last sentence corrects an omission made in error at the time of a recent curriculum revision.

MOTION CARRIED

d) Paper S.76-157 - Department of Political Science Program Changes

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, the proposed change in requirements for honors in Political Science

"from 'Students must take forty-five credit hours of upper division Political Science courses, twenty-one hours of which must be from within a single sequence and twenty-four of which must be from different field sequences. Additionally, POL. 499-5, the Honors Essay, is required of all Honors students, for a total of fifty hours,' to 'Students must take fifty credit hours of upper division Political Science courses, fifteen hours of which must be from a single group, and five hours of which must be in POL. 499-5, the Honors Essay.' "

Note: The Department has requested this change for the reason that the original expectation for honors requirement (21 hours of upper division credit from within a single sequence) has not proved to be feasible under the present curriculum. Furthermore, the stipulation as to the total number of upper division credit hours required (50) was not clear. It was also considered unnecessary to stipulate that the balance of twenty-four credits must be from other sequences.

MOTION CARRIED

3) Paper S.76-158 - Department of Criminology Changes in Grading System, Field Practice

It had been moved by L. Severy, seconded by I. Wemyss, and approved that Paper S.76-158 be separated for consideration. It had also been noted by E. Fattah and D. Birch that the recommendations pertained also to the Field Practice feed-back courses CRIM 361-1, 461-1, 466-1 and these were included.

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, the application of a Pass (P)/Withdrawn (W) grading system in CRIM 360-5 - Field Practice 1, CRIM 460-5 - Field Practice 2, and CRIM 465-5 - Field Practice 3, as set forth in in S.76-158 and in the related courses CRIM 361-1, 461-1 and 466-1 respectively.

Note: The recommendation is to apply a grading system of Pass (P) or Withdrawn (W) as presently applied in EDUC 401, 402, 405, and 406, and as approved for Clinical Chemistry 397, 398 and 399. The report of the SCUS Sub-Committee on Grading (currently before SCUS) includes the recommendation that the designation "W" be retained with the following terms: The designation "W" will be given when a student withdraws (or is withdrawn) after the normal course drop period from a course graded on a pass (P) or withdrawn (W) basis. This form of grading is normally used in courses of the practicum type in which a student is working with human subjects, e.g. Education, Criminology ....

E. Fattah responded to general enquiries in connection with criteria for the proposal.

Question was called on the motion, including CRIM 361, 461 and 466, and a vote taken.

MOTION CARRIED

f) S.76-159 - Computing Science Course and Program Changes

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, the Calendar changes for Computing Science, as set forth in S.76-159."

Note: SCUS recommends that the Calendar changes be approved en bloc following discussion of the individual changes which include a title change, course description change, prerequisite change, discontinuation of a course, and changes to honors, major, and minor program requirements.

MOTION CARRIED

g) S.76-160 - Department of Biological Sciences Course and Program Changes

Moved and seconded,

1. "That Senate approve, and recommend approval to the Board of Governors, the program changes set forth on pages 1 and 2 of S.76-160, including the deletion of CMPT 103 as an alternative course for MATH 101 in the core program for the major, the replacement of a three credit hour science elective with a three credit hour general elective, a change in the recommended elective (adding English or a foreign language and making MATH 302 highly recommended), the addition of the recommendation that students in the honors program take the individual study semester (BISC 490, 491 and 492), and the deletion of a redundant note in the description of the minor program to the effect that B.C. high school grade XI and XII biology will not be accepted in lieu of BISC 101 and 102."

MOTION 1 CARRIED

Moved and seconded,

2. "That Senate approve, and recommend approval to the Board of Governors, course title changes as follows: BISC 201 from 'Cell Biology and Biochemistry' to 'Cell Biology,'



BISC 301 from 'Biochemistry I' to 'Biochemistry - Intermediary Metabolism,' BISC 401 from 'Biochemistry II' to 'Biochemistry - Regulatory Mechanisms,' and BISC 402 from 'Physiological Genetics' to 'Molecular Genetics.' "

Note: None of these changes denotes change in the subject matter; each is intended to better describe the nature and content of the course.

MOTION 2 CARRIED

Moved and seconded,

3. "That Senate approve, and recommend approval to the Board of Governors, as set forth on page 1 of S.76-160, the revision to the Calendar statement (page 339 in 1976-77 Calendar) regarding 'courses in Biology for students not majoring in Biology.' "

MOTION 3 CARRIED

Moved and seconded,

4. "That Senate approve, and recommend approval to the Board of Governors, the changes in prerequisites as set forth on page 2 of S.76-160, for BISC 310, BISC 428, BISC 438, BISC 448, BISC 432, BISC 435, BISC 490, BISC 491, BISC 492."

MOTION 4 CARRIED

h) Department of Chemistry

- i) S.76-161 - New Course Proposal - CHEM 483-15 - Individual Study Semester

It had been moved by Ironside, seconded by B. Emery, and approved that Paper S. 76-161 be separated for consideration.

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, CHEM 483-15 - Individual Study Semester."

Note: Item five on page three has been deleted from the proposal and is being reconsidered by the Chemistry Department within the

context of the larger question concerning the relationship between financial remuneration and academic credit. SCUS approved CHEM 483-15 with the explicit deletion of that item and the request that it be reconsidered. A response of the Chemistry Department Chairman to that request is attached. Members of SCUS were also concerned about the requirement that a student submit a research proposal to the Department at least three months prior to the start of the semester in which the course will be taken. The Committee was assured that the intent was to obtain a preliminary research proposal at that time. It was agreed that the word "preliminary" be inserted in the Calendar description of the course.

R. Ironside suggested that the statement on the evaluation form attached to the proposal, "The research effort may result in publishable material, but this must not be seen as the primary aim of the ISS," could have a negative effect on the student as publishing tends to put too high an emphasis on the Individual Study Semester. J. Walkley said the function was to indicate the length of time in the semester that a student may spend on the project, and J. Webster added that in his interpretation of the phrase there was no request for production of publishable results.

Question was called, and a vote taken.

MOTION CARRIED

ii) S.76-162 - Course and Program Changes

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, proposed changes in Chemistry, as set forth in S.76-162, including:

- i) program for students intending to specialize in Chemistry
- ii) Chemistry Major program
- iii) Chemistry Honors program
- iv) Chemistry Minor program
- v) prerequisite changes to CHEM 101, 106, 362, 464, 482
- vi) description change for CHEM 481
- vii) title change for CHEM 482."

MOTION CARRIED

i) Department of Mathematics

- i) Paper S.76-163 - New Course Proposal, MATH 242-3 and Related Changes

Moved and seconded,

1. "That Senate approve, and recommend approval to the Board of Governors, MATH 242-3 - Introduction to Analysis."

Note: The Mathematics Department in one three-semester hour course proposes to deal in an integrated way with the material previously handled in two two-semester hour courses.

MOTION CARRIED

Moved and seconded,

2. "That Senate approve, and recommend approval to the Board of Governors, a change in prerequisite such that MATH 242-3 is made prerequisite for a course which now has MATH 241-2 as a prerequisite and that MATH 242-3 is added as a prerequisite for MATH 320-3 - Theory of Convergence."

MOTION CARRIED

Moved and seconded,

3. "That Senate approve, and recommend approval to the Board of Governors, a change in title for MATH 141-2 from 'Pure Mathematics I' to 'Introduction to Pure Mathematics.' "

Note: MATH 141-2 was previously entitled "Pure Mathematics I" as part of a sequence which also included "Pure Mathematics II and III." Now that the latter two courses have been fused and retitled, it is appropriate to retitle the former.

MOTION CARRIED

ii) Paper S.76-164 - Course and Program Changes

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, proposed Mathematics changes as set forth in S.76-164, including i) change in Major program, ii) change in Honors program, iii) change in Minor program, iv) title change for MATH 141-2, v) prerequisite change for MATH 320-3."

MOTION CARRIED

iii) Paper S.76-165 - Changes in Faculties of Arts and of Science Mathematics Entry

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, the changes as set forth in S.76-165, pertaining to Mathematics in the B.A. program in the Faculty of Arts."

Note: It was noted the changes reflected those being made in Mathematics in the Faculty of Science.

MOTION CARRIED

j) Department of Physics

i) Paper S.76-166 - Course Changes

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, proposed Physics changes, as set forth in S.76-166, including i) prerequisite change to PHYS 411-4, ii) Honors Physics requirements in Mathematics."

It was noted that PHYS 411-4 has been incorrectly numbered as 441-4 on the blue motion sheet attached to Paper S.76-166, and this was corrected.

MOTION CARRIED

ii) Paper S.76-167 - Extension Credit Courses 1975-76

In response to a question raised by C. Jones, J. Blaney advised that of the total number of course enrolments in the Fall semester 1976, there was 32.5% evening only, .1% full-time; 40% evening part-time; 27.5% day and evening full-time, and that approximately 72-73% involved part-time students, either evening only or day and evening.

R. Ironside pressed for documentation relating to course drop, fail and pass statistics, and it was agreed that the Senate Committee on Continuing Studies would be asked to examine the question and the feasibility of compiling the information requested, either through the Senate Committee or the Faculties. M. McClaren provided information relating to his analysis of the Extension Program which had indicated there was no significant difference between students in evening or day courses, but where there was no familiarity with the subject there was a high drop rate.

iii) Senate Graduate Studies Committee

J. Wheatley proposed now moving en bloc formally as though they were individual motions the submissions from the Senate Graduate Studies Committee, Papers S.76-168 through S.76-170, with the understanding there could be separation. Such motion was then moved by J. Wheatley, seconded by T. Sterling,

Motion was then made to divide the question in respect of the following paper:-

"That paper S.76-168 be divided from the others"  
(Motion to divide carried).

Question was then called on the papers and motions not divided, and on the divided questions with all questions not divided approved, and overall results as follows:

a) Paper S.76-168 - Department of Kinesiology - Graduate Course and Program Changes

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, as set forth in S.76-168,

- i) New Courses KINES 821-3 and KINES 861-3 (with deletion of KINES 820-5 and KINES 860-5 respectively)
- ii) Proposed Changes in Graduate Regulations."

R. Ironside questioned the propriety of crediting undergraduate courses towards a graduate degree. J. Wheatley explained that University regulations permitted the inclusion if up to 6 units of approved undergraduate courses on a graduate program.

MOTION CARRIED

b) Paper S.76-169 - Department of Chemistry - Graduate Study Changes

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, as set forth in S.76-169, the proposed revisions in Chemistry."

MOTION CARRIED

c) Paper S.76-170 - Changes in the MPM Program

Moved and seconded,

"That Senate approve, and recommend approval to the Board of Governors, as set forth in S.76-170, changes in the Master of Pest Management Program including:

- i) New Courses: BISC 850-3 - Weed Biology and Control  
BISC 851-3 - Vertebrate Pests  
BISC 852-3 - Medical and Veterinary Entomology  
BISC 853-3 - Plant Disease Vectors
- ii) Changes in Title and Course Descriptions for  
BISC 816-3, BISC 840-3, BISC 841-3, BISC 842-3,  
BISC 844-3, BISC 847-3, BISC 849-5 (title change  
only)
- iii) Change in credits and related items for BISC 601,  
BISC 602 (and title change and description change),  
BISC 603 (and description change), BISC 604, BISC  
605 (and credit change), together with necessary  
editorial changes following from these."

MOTION CARRIED

d) Paper S.76-171 - Representation on the Graduate Studies  
Committee

Moved by J. Wheatley, seconded by B. Wilson,

1. "That membership in the Senate Graduate Studies  
Committee be increased by two members elected by  
and from the Faculty Graduate Studies Committee  
in the Faculty of Education."

It was noted that, inasmuch as the Faculty of Education consists  
of a single department, its representation on the Senate Graduate  
Studies Committee is restricted, and this limitation is reflected in  
the Executive Committee, particularly in connection with quorum  
requirements.

Question was called, and a vote taken.

MOTION CARRIED

Moved by J. Wheatley, seconded by T. Calvert,

2. "That membership in the Executive Committee of  
the Senate Graduate Studies Committee be in-  
creased by one student elected by and from the  
students on the Senate Graduate Studies Committee."

J. Wheatley commented that student membership had proven to be  
of particular benefit to the Committee.

Question was called, and a vote taken.

MOTION CARRIED

6. REPORTS OF FACULTIES

There were no reports from faculties.

7. OTHER BUSINESS

There was no other business.

8. NOTICES OF MOTION

L. Severy gave notice of motion to amend the Rules of Senate relating to the quorum, and was advised to present her motion to the Secretary of Senate for consideration of the Senate Committee on Agenda and Rules prior to transmittal to Senate for advance notice of discussion to be undertaken at the next following meeting of Senate.

9. INFORMATION

It was noted that the next meeting of Senate is scheduled for Monday, January 10, 1977, at 7:00 p.m.

The assembly moved immediately into Closed Session at 8:01 p.m.

H. M. Evans  
Secretary