

SIMON FRASER UNIVERSITY

S.80-38

MEMORANDUM

To..... Senate	From..... Senate Committee on Undergraduate Studies
Subject..... Chemistry and Related Areas: Major Programs and Honours Program Co-operative Education	Date..... 1980-03-27

Action taken by the Senate Committee on Undergraduate Studies at its meeting of March 25, 1980, gives rise to the following motion:

MOTION

That Senate approve and recommend approval to the Board of Governors, as set forth in S.80-38, the proposed Co-operative Education program in Chemistry and related areas including new practicum courses and minimum requirements to enrol and to continue in Co-operative Education.

NOTE

The proposal to provide an opportunity for Co-operative Education in Chemistry and related areas conforms to the general description of Co-operative Education on page 448 of the University Calendar. The requirement of a minimum cumulative GPA of 2.75 for enrolling and continuing in the Major Program, Co-operative Education, are intended to ensure that a high academic standard is maintained among students for whom the university seeks appropriate work semester placements.

For the information of senators, the initial introduction of Co-operative Education programs at the University of Victoria and Simon Fraser involved a tentative and short-term agreement on the part of each university to postpone development of programs in fields in which the other institution was attempting to get a program established. Under this informal arrangement, SFU delayed the development of Co-operative Education programs in such fields as Chemistry and Physics. However, that agreement is no longer in effect and the institutions are now attempting to maintain liaison and co-ordination both at the level of the Directors of Co-operative Education and at the level of the Academic Vice-Presidents.

Certainly the trimester system at our University is ideal for Co-operative Education. The Lower Mainland provides a concentration of business and industry which is helpful for finding appropriate placement for students. In general, the extension of our activities in this field appears very promising.

Don R. Birch

SIMON FRASER UNIVERSITY

MEMORANDUM

SCUS 80-15

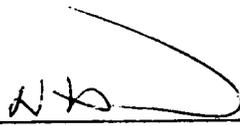
To: H. M. Evans Registrar & Secretary
Senate Committee Undergraduate Studies
Subject: Chemistry Practica Courses for Co-op.

From: N. Heath
Administrative Assistant
Faculty of Science
Date: 1980 03 13

Yesterday, the Faculty of Science approved the following motion;

"That the new course proposals CHEM 306-0, 307-0, 406-0 and 407-0, Practica I-IV in the Co-op Program, be approved and forwarded to SCUS and Senate for consideration and approval."

The relevant supporting documents are attached. Due to the nature of the courses, it was not felt necessary to go through library collection procedures.



N. Heath

/rw

attach.

SIMON FRASER UNIVERSITY

DEPARTMENT OF CHEMISTRY

Preamble for the Calendar

Co-operative Education (Please note general description on page 448
of the Calendar)

Co-operative Education is a system which combines work experience with academic studies. The student spends alternate semesters on campus and in study related jobs.

A Major Program and an Honors Program leading to a B.Sc. degree, Co-operative Education, and incorporating four work semesters are available to qualified students in Chemistry and related areas. The work practicum requirements are the University courses CHEM 306, 307, 406, 407.

Students wishing to enrol in the Co-operative Education program must apply at least three months prior to the start of the semester in which they wish to enrol in CHEM 306. Intending Co-op students should seek advising from the Department as early in their university careers as possible.

Students must obtain a minimum cumulative GPA of 2.75 in order to enrol and to continue in the Major Program, Co-operative Education. The higher averages normally required for entry to and continuance in an Honors Program apply to those taking an Honors Program, Co-operative Education.

A note in the Calendar under the Biochemistry, Chemical Physics and any other chemistry related area should appear as follows:

Co-operative Education

Co-operative Education is a system which combines work experience with academic studies. The student spends alternate semesters on campus and in study related jobs.

Students interested in Co-operative Education should refer to the Chemistry section of the Calendar dealing with Co-operative Education.

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

1. Calendar Information

Department: CHEMISTRY

Abbreviation Code: CHEM Course Number: 306 Credit Hours: 0 Vector: -

Title of Course: PRACTICUM I

Calendar Description of Course: This is the first semester of work experience in a co-operative education program available to students planing to pursue a career in chemistry or related areas.

Nature of Course: Work experience

Prerequisites (or special instructions):

Students will normally have completed 28 semester hours of credit, with a minimum GPA of 2.75, and including CHEM 105 and 117, MATH 151 and 152 or MATH 154 and 155, PHYS 101 and 102 or PHYS 120 and 121.

What course (courses), if any, is being dropped from the calendar if this course is approved:

None

2. Scheduling

How frequently will the course be offered? Every semester.

Semester in which the course will first be offered? Summer 1980

Which of your present faculty would be available to make the proposed offering possible? Departmentally the course will be supervised by Drs. Bell and Unrau.

3. Objectives of the Course

To provide the work experience required for Co-operative Education, Chemistry.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

Additional Faculty may be required to help to cover the teaching responsibilities of the Co-op co-ordinators.

5. Approval

Date: 15th Feb. 1980

Chris Jones
Department Chairman

4/13/80
Dean

MAR 25 '80

Chairman, SCUS

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

1. Calendar Information

Department: CHEMISTRY

Abbreviation Code: CHEM Course Number: 307 Credit Hours: 0 Vector: -

Title of Course: PRACTICUM II

Calendar Description of Course:

This is the second semester of work experience in a co-operative education program in Chemistry and related areas.

Nature of Course: Work experience.

Prerequisites (or special instructions): CHEM 306-0 and normally the completion of 42 credits with a cumulative GPA of 2.75.

What course (courses), if any, is being dropped from the calendar if this course is approved:

None

2. Scheduling

How frequently will the course be offered? Every semester

Semester in which the course will first be offered? Summer 1980

Which of your present faculty would be available to make the proposed offering possible?

Departmentally, the course will be supervised by Drs. Bell and Unrau.

3. Objectives of the Course

To provide the work experience required for Co-operative Education, Chemistry.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

Additional faculty may be required to cover the teaching duties of the Co-op co-ordinators.

5. Approval

Date: 15 Feb 1980

CHW. Jones
Department Chairman

17/3/80
[Signature]
Dean

MAR 26 80

[Signature]
Chairman, SCUS

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

1. Calendar Information

Department: CHEMISTRY

Abbreviation Code: CHEM Course Number: 406 Credit Hours: 0 Vector: -

Title of Course: Practicum III

Calendar Description of Course:

This is the third semester of work experience in a co-operative education program in Chemistry or related areas.

Nature of Course Work experience

Prerequisites (or special instructions): CHEM 307-0 and normally completion of 56 credits with a cumulative GPA of 2.75.

What course (courses), if any, is being dropped from the calendar if this course is approved:

None

2. Scheduling

How frequently will the course be offered? Every semester

Semester in which the course will first be offered? Fall 1980

Which of your present faculty would be available to make the proposed offering possible? Departmentally, the course will be supervised by Drs. Bell and Unrau.

3. Objectives of the Course

To provide the work experience required for Co-operative Education, Chemistry.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

Additional faculty may be required to cover the teaching duties of the Co-op co-ordinators.

5. Approval

Date: 15 Feb 1980

C.H. Jones.
Department Chairman

17/3/80
J. H. Webster
Dean

MAF

James K. Birch
Chairman, SCUS

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

1. Calendar Information

Department: CHEMISTRY

Abbreviation Code: CHEM Course Number: 407 Credit Hours: 0 Vector: -

Title of Course: Practicum IV

Calendar Description of Course:

This is the last semester of work experience in a Co-operative Education Program in Chemistry or related areas.

Nature of Course Work semester

Prerequisites (or special instructions): CHEM 406-0 and a cumulative GPA of 2.75.

What course (courses), if any, is being dropped from the calendar if this course is approved:

None

2. Scheduling

How frequently will the course be offered? Every semester

Semester in which the course will first be offered? Fall 1980

Which of your present faculty would be available to make the proposed offering possible? Departmentally, the course will be supervised by Drs. Bell and Unrau.

3. Objectives of the Course

To provide the work experience required for Co-operative Education, Chemistry.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty

Staff

Library

Audio Visual

Space

Equipment

Additional faculty may be required to cover the teaching duties of the Co-op co-ordinators.

5. Approval

Date: 15 Feb. 1980

Ch. W. Jones
Department Chairman

17/3/80
Dean

[Signature]
Chairman, SCUS