

# SIMON FRASER UNIVERSITY

S. 71-94

## MEMORANDUM

To..... SENATE

From..... SENATE COMMITTEE ON

..... UNDERGRADUATE STUDIES

Subject..... NEW COURSE PROPOSALS-FACULTY OF  
SCIENCE-MATHEMATICS 195-3,  
CHEMISTRY 482-3, S.71-94

Date..... AUGUST 30, 1971

### MOTION:

1. "That the New Course Proposal for Mathematics  
195-3 as set forth in Paper S.71-94 be approved."

### MOTION:

2. "That the New Course Proposal for Chemistry  
482-3 as set forth in Paper S.71-94 be approved."

If Motion 2 is approved, the following motion will be made:

"That Senate suspend its rules with regard to  
the two semester time lag requirement for  
the offering of new courses in order that  
Chemistry 482-3 may be first offered in the  
Spring semester, 1972."

## SIMON FRASER UNIVERSITY

S. 71-94

## MEMORANDUM

To SENATE

From Senate Committee on  
Undergraduate StudiesNew Course Proposals - Faculty of  
Subject Science - Mathematics 195-3, Chemistry  
482-3.August 30, 1971.  
Date

The Senate Committee on Undergraduate Studies has approved the following new course proposals from the Faculty of Science as shown in the documentation attached, and recommends approval by Senate:-

- (i) Mathematics 195-3 : Introductory Geometry
- (ii) Chemistry 482-3 : Directed Study in Advanced Topics

Note:- (For Information) - The recommendations pertaining to Physics 331-3 and 332-3 are under discussion.

# SIMON FRASER UNIVERSITY

## MEMORANDUM

SCUS 71-

Mr. H. Evans, Registrar  
Secretary, Senate Committee  
on Graduate Studies

From Dr. B.L. Funt,

Dean of Science

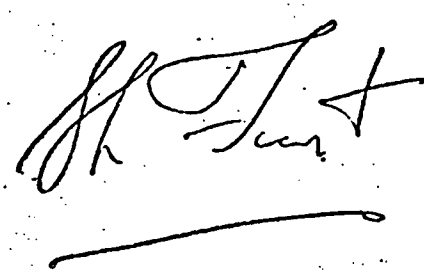
Subject New Course Proposals

Date August 5, 1971

The following new Course Proposals were approved by the Faculty of Science, at its meeting of July 29, 1971.

1. Introductory Geometry - 195-3 - Mathematics - Paper F-71-13
2. Directed Study in Advanced Topics - 482 - Chemistry - Paper F-71-14
3. Change of Title and Prerequisite for P331-3 & P332-3 - Paper F-71-15

I would appreciate your bringing these to the Senate Undergraduate Studies Committee for their consideration, at the earliest opportunity.



BLF:dep

RECEIVED

AUG 10 1971

SCIENCE DEPARTMENT

F-71-K  
F-71-1

NEW COURSE PROPOSALS: Mathematics, Chemistry & Physics

The New Courses proposed for Departments of Mathematics,  
Chemistry and Physics were approved by your Faculty Committee.

B.L. Funt

:dep

FACULTY OF SCIENCE

NEW COURSE PROPOSAL

**I** CALENDAR INFORMATION

Department: Mathematics

Course Number: 195-3 Title:

Introductory  
Geometry

Description: A survey of Euclidean and non-Euclidean geometries.

Credit Hours: 3

Vector Description: (3-1-0)

Pre-requisite(s): B.C. Math 11 or permission of the department.

**II** ENROLMENT AND SCHEDULING

Estimated Enrolment: 40 per offering

Offered once a year in any of three semesters.

When course will first be offered: Summer 1972

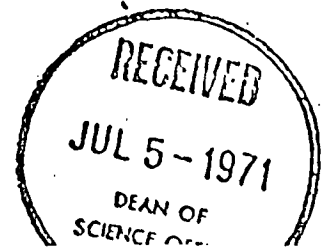
**III** JUSTIFICATION

A. What is the detailed description of the course including differentiation from lower level courses, from similar courses in the same department and from courses in other departments in the University?

There are no comparable courses either within the department or in other departments of the University.

B. What is the range of topics that may be dealt with in the Course?

- Euclidean geometry; non-Euclidean geometries; convexity;  
combinatorial geometry.



C. How does this course fit the goals of the department?

It will be a useful course for anyone who might teach grade 7 or higher mathematics. Mathematics majors will find it useful for unifying certain concepts and ideas.

D. How does this course affect degree requirements?

N/A

E. What are the calendar changes necessary to reflect the addition of this course?

New entry.

F. What course, if any, is being dropped from the calendar if this course is approved?

N/A

G. What is the nature of student demand for this course?

Many students have complained about the lack of geometry courses in our program.

H. Other reasons for introducing the course.

Desire upon the part of faculty to teach such a course.

#### IV

#### BUDGETARY AND SPACE FACTORS

A. Which faculty will be available to teach this course?

Entire staff.

- B. What are the special space and/or equipment requirements for this course?

None.

- C. Any other budgetary implications of mounting this course:

None.

FACULTY OF SCIENCE

NEW COURSE PROPOSAL

I

CALENDAR INFORMATION:

Department: Chemistry

Course Number: 482 Title: Directed  
Study in Advanced Topics

Sub-title or Description:

Directed reading is a topic chosen in consultation with a supervisor.

Credit Hours: 3

Vector Description:

Pre-requisite(s): Permission of Department. Knowledge of chemistry at an advanced level. Not available for credit for honors chemistry or biochemists.

II

ENROLMENT AND SCHEDULING

Estimated Enrolment: 3

Semester Offered (e.g. Yearly, every Spring; twice yearly, Fall and Spring): Fall and Spring

When course will first be offered: Spring 1972

III

JUSTIFICATION

A. What is the detailed description of the course including differentiation from lower level courses, from similar courses in the same department and from courses in other departments in the University?

Directed reading course at the advanced level; diversifies program, and allows the student to develop his own particular interests.

B. What is the range of topics that may be dealt with in the course?

Advanced topics in chemistry



C. How does this course fit the goals of the department?  
Diversifies offerings, within the limits of the faculty expertise available. Allows majors students to conduct detailed reading and library work.

D. How does this course affect degree requirements?  
Additional advanced option for majors students. Not allowed for honours chemists or/biochemists for credit, where 481 is available.

E. What are the calendar changes necessary to reflect the addition of this course?

Addition of new course

F. What course, if any, is being dropped from the calendar if this course is approved?

None

G. What is the nature of student demand for this course?  
4 per year.

H. Other reasons for introducing the course.

#### IV

#### BUDGETARY AND SPACE FACTORS

A. Which faculty will be available to teach this course?

All faculty ✓

B. What are the special space and/or equipment requirements for this course?

None

C. Any other budgetary implications of mounting this course:

None

APPROVAL - Faculty Undergraduate Curriculum Committee:

Faculty:

Senate: