

FACULTY OF SCIENCE

NEW COURSE PROPOSALI CALENDAR INFORMATION

Department: Mathematics

Course Number: 190-3 Title: Principles of
Mathematics for
teachers.

Sub-title or Description:

An examination of mathematical concepts which are taught in schools in British Columbia. Emphasis will be on the topics taught in grades 1 - 8.

Credit Hours: 3

Vector Description: [3-1-0]

Pre-requisite(s): None

II ENROLMENT AND SCHEDULING

Estimated Enrolment: 60

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

Yearly: Every summer.

When course will first be offered: Summer 1971

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?

The course is designed to cover the mathematical principles taught in British Columbia schools. It will stress those approaches which are of value in teaching these topics in the schools.

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

The course will include work on set theory, relations, functions, number theory and arithmetic.

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

It reflects the concern of the department with the teaching of mathematics in the schools and is part of its service function.

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?

None.

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

Many students in the Professional Development programs will be expected to teach mathematics in elementary schools although they have had little mathematics study beyond high school. It is expected that many of them will wish to take this course.

H. Other reasons for introducing the course.

It is also desired by the Professional Development Department in the Faculty of Education.

IV

BUDGETARY AND SPACE FACTORS

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

Any faculty member who is interested in the teaching of mathematics in the schools.

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: MARCH 31, 1970

Faculty: APRIL 20, 1970

Senate:

SIMON FRASER UNIVERSITY

MEMORANDUM

To..... Mr. Tom King
Dean of Science Office

From J. V. Trivett

Subject..... Proposed Course: 190-3

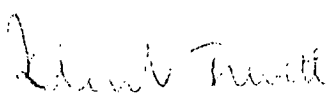
Date. March 11, 1970

I wish to add my support to the New Course Proposal from our Mathematics Department entitled.

190-3: Principles of mathematics for teachers.

A course such as this, offered first in the summer 1971, will be an extra opportunity for students in the Professional Foundations Department which most of them need. The increase in interest in the teaching of mathematics which we see reflected in our Education 402 and Education 404 courses is so much that it is becoming impossible to satisfy needs.

The proposed course 190-3 will help to meet this growing concern. In addition it will be a practical outcome of cooperation and integration between two departments.


John V. Trivett
Associate Professor
Professional Foundations

JVT:gd

