

SIMON FRASER UNIVERSITY

S.81-10

MEMORANDUM

To SENATE

From SENATE COMMITTEE ON UNDERGRADUATE STUDIES

Subject CHANGES - COMPUTING SCIENCE

Date DECEMBER 19, 1980

FOR INFORMATION

Acting under its delegated authority, at its meeting of December 9, 1980, SCUS approved description change for CMPT 105-3 - Fundamental Concepts of Computing, and title and description change for CMPT 291-4.

J. N. Webster

SIMON FRASER UNIVERSITY

SCUS 80-95

MEMORANDUM

SI-10

To..... Mr. H.M. Evans, Registrar and
Secretary to the Senate Committee
on Undergraduate Studies.....

From..... Janet Blanchet, Secretary to the
Faculty of Interdisciplinary Studies
Undergraduate Curriculum Committee.....

Subject..... Changes, Department of
Computing Science I.S.C. 80-27.....

Date..... 20 November 1980.....

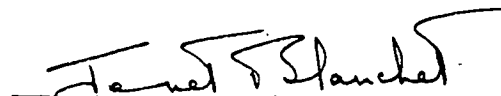
At a meeting of the Faculty of Interdisciplinary Studies Undergraduate Curriculum Committee held on Tuesday, November 18, 1980, members of the Committee approved the following:

CMPT 105-3, course description change

CMPT 291-4, title and course description change

These changes are shown in the attached document; they do not denote a change of content, but are intended to define the nature of the two courses more clearly.

Please place this item on the next agenda of the Senate Committee on Undergraduate Studies.


Janet Blanchet

JB:jk

Attachment

MEMORANDUM

Dr. C. Griffiths, Chairman, UCC

F.I.D.S.

Subject: Calendar Change

From: Dr. W.S. Luk, Chairman, UCC

Department of Computing Science

Date: October 24, 1980.

Attached please find two proposals for changes in title/course description, to more accurately reflect the nature of the two courses involved.

A copy of the present calendar entries for these courses is also attached for your reference.

WSL:asm

(for) W.S. Luk
per d.s.g.

CURRENT CALENDAR ENTRIES

***CMPT 105-3 Fundamental Concepts of Computing**

This course introduces the fundamental concepts and procedures by which problems are defined, described, and implemented on computing machines. The students learn principles of algorithms and their implementation through computer-compatible languages. CMPT 105-3 (formerly 100-3) is a prerequisite to most courses in Computing Science.

(Lecture/Tutorial)

Prerequisite: CMPT 103-3.

Students with credit for CMPT 100-3 may not take this course for further credit.

***CMPT 291-4 Analogue and Digital Circuits**

An introduction to the principles of electrical circuits. Tools for transient and frequency analysis will be developed. These will be applied to the design of system components with particular emphasis on digital integrated circuits.

(Lecture/Laboratory)

Prerequisites: PHYS 150-3, CMPT 105-3.

CMPT 291-4 may not be taken for further credit by those who have obtained credit in CMPT 290-3.

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

COURSE DESCRIPTION CHANGE PROPOSAL FORM

Description Change ONLY

1. Calendar Information

Department: Computing Science

Abbreviation Code: CMPT Course Number: 105 Credit Hours: 3 Vector: 3-1-0

Title of Course: Fundamental Concepts of Computing

Calendar Description of Course: This course introduces fundamental concepts and procedures by which problems are defined, described and implemented on computing machines. The student learns principle organizations of computer architecture, how instructions are implemented, the principles of machine, assembly and higher order languages, principles of monitors and executive systems, interactions of hardware and software designs.

Prerequisites (or special instructions):

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

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

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

Objectives of the Course

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

5. Approval

Date: 28 October 1960

21 Nov 1960

Ronald W. Harvey
Department Chairman

J. W. Gilbert
Dean

Chairman, SCUS

SENATE COMMITTEE ON UNDERGRADUATE STUDIES
COURSE TITLE/DESCRIPTION CHANGE PROPOSAL FORM

TITLE, AND
DESCRIPTION
CHANGE ONLY.

Calendar Information

Department: Computing Science

Abbreviation Code: CMPT Course Number: 291 Credit Hours: 4 Vector: 3-0-3

Title of Course: Introduction to Digital Circuit Design

Calendar Description of Course: Digital circuit design principles are developed for small, medium and large scale integrated circuit building blocks. Topics include switching theory, transistor theory, microprocessor interfacing and analog/digital and digital/analog conversion.

A sequence of laboratory experiments parallel and augment lecture material. Laboratory work is assisted by a microprocessor development system, which itself is --
NATURE OF COURSE -- examined in detail.

Prerequisites (or special instructions):

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

2. Scheduling

How frequently will the course be offered?

Semester in which the course will first be offered?

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

Objectives of the Course

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

5. Approval

Date: 28 October 1980

[Signature]

[Signature]
Department Chairman

[Signature]
Dean

[Signature]
Chairman, SCUS