

SIMON FRASER UNIVERSITY

MEMORANDUM

To: Senate
From: L. Salter
Chair, SCAP
Subject: School of Computing Science - Curriculum revision
Date: November 9, 1989
Reference: SCUS 89-25, 89-35
SCAP 89-26

Action undertaken by the Senate Committee on Academic Planning/Senate Committee on Undergraduate Studies gives rise to the following motion:

Motion:

"That Senate approve and recommend approval to the Board of Governors as set forth in S.89 -41 the changes to the requirements for a Major and Honors in Computing Science, and

deletion of CMPT 362 Computers in Education
CMPT 484 Compiler Construction."

For Information:

Change of title, course description and prerequisite.

Simon Fraser University

MEMORANDUM

To: Parveen Bawa --- Chair, Undergraduate Curriculum
..... Committee -- FAS
Subject: Calendar Changes

From: Bob Hadley --- Director Undergraduate Program ---
..... School of Computing Science
Date: October 17, 1989

The Undergraduate Curriculum Committee of the School of Computing Science proposes the following changes to the calendar description of the undergraduate program in Computing Science:

- An existing course (CMPT 300) is to be added to the list of required courses for both the major degree and the honors degree.
- The course description for CMPT 354 is to be altered slightly.
- CMPT 362 and 484 are to be deleted from the list of course offerings.

Change in the Requirements for a Major in Computing Science

- *This affects both the B.A. and the B.Sc.*
- From "CMPT 307-3 (Data Structures and Algorithms) and CMPT 354-3 (File and Database Structures) must be included within the courses used to satisfy depth and breadth requirements".
- To "CMPT 300-3 (Introduction to Operating Systems), CMPT 307-3 (Data Structures and Algorithms) and CMPT 354-3 (File and Database Structures) must be included within the courses used to satisfy depth and breadth requirements".
- **Rationale** Changes in the field of Computing Science at large, and changes in the expectations of employers of Computing Science majors indicate that the area of operating systems is an increasingly important subfield of the discipline. The course being proposed as an additional requirement contains concepts and methods which are now central to many distinct areas of Computing Science. For this reason, it is deemed essential that Computing majors be exposed at least to an introductory course in operating systems.

Change in the Requirements for Honors in Computing Science

- From "CMPT 307-3 (Data Structures and Algorithms) and CMPT 354-3 (File and Database Structures) ... must be included within the courses used to satisfy depth, breadth and credit hour requirements above".
- To "CMPT 300-3 (Introduction to Operating Systems), CMPT 307-3 (Data Structures and Algorithms) and CMPT 354-3 (File and Database Structures) ... must be included within the courses used to satisfy depth, breadth and credit hour requirements above".
- **Rationale** The rationale is the same as that given for the change in Major requirements (above).

Change in the Title and Course Description for CMPT 354

- From "FILE AND DATABASE STRUCTURES. Disk accesses. File organizations. Logical representations of data records. Data models. Studies of some popular file and database systems. Document retrieval. Other related issues such as database administration, data dictionary and security..."
- To "DATABASE SYSTEMS AND STRUCTURES. Logical representations of data records. Data models. Studies of some popular database systems. Document retrieval. Other related issues such as database administration, data dictionary and security..."
- **Rationale** The topic of file organization is now being taught in CMPT 300. Deletion of this material from CMPT 354 will permit the remaining topics in 354 to be covered in greater depth. If CMPT 300 is adopted as a required course for all computing majors (as proposed above), the material deleted from CMPT 354 will still be encountered by all computing majors.

Deletion of CMPT 484 and CMPT 362 from Course Offerings

- **Rationale** CMPT 484 (Compiler Construction) has been offered, but has never received sufficient enrollment to avoid cancellation. The exceedingly small demand for this course may be due to the fact that the course has a large number of prerequisites (which cannot be dropped). Most students who are in a position to take this course are also in a position to graduate.
- CMPT 362 (Computers in Education) has received only very limited enrollment in the past and received insufficient enrollment the last time it was offered. It is judged to be very peripheral to our program by our curriculum committee, and there appears to be no popular demand for the course.

N.B. Deletion of CMPT 484 requires modification of Table I (p. 54) and deletion of CMPT 362 requires modification of Table II (p. 54) of the current calendar.

Simon Fraser University

Memorandum

To FAS Undergraduate Curriculum Committee

From James J. Weinkam

..... Director, Undergraduate Programs

Subject Prerequisite change, CMPT 410

Date 89/08/17

The prerequisite change for CMPT 410 described below was approved by the School of Computing Science Undergraduate Curriculum Committee in February 1988. Due to an oversight, it was not forwarded to the faculty committee along with the rest of our curriculum changes approved at the April and May meetings. Please place this item on the agenda of the next FAS Curriculum Committee meeting.

CMPT 410-3 Artificial Intelligence Survey, Prerequisite change only.

Current prerequisite: CMPT 201 and 205. CMPT 384 recommended.

Proposed prerequisite: CMPT 201, 205, and 384.

Rationale: Students currently taking the course who have not taken CMPT 384 do not have adequate knowledge of LISP or of representation and manipulation of symbolic information and the symbolic approach to problem solving.