

FOR INFORMATION

SIMON FRASER UNIVERSITY

MEMORANDUM

To: Senate

From: J.W.G. Ivany
Chair, SCAP

Subject: Chemical Physics Program -
Curriculum Changes

Date: November 17, 1988

Acting under delegated authority, SCUS approved the curriculum changes as set forth in S.88-52 to the Chemical Physics Program.

CALENDAR CHANGES

- i) The Chemical Physics Calendar entry should be prefaced with the statement:

Computing skills such as those obtained in CMPT 102 are expected of students entering second year Physics courses.

Rationale:

Computing skill equivalent to CMPT 102 is presently expected of second year students by the Physics Department. Students in the Chemistry Major and Chemistry Honors programs must take CMPT 102 before graduating.

- ii) The Chemical Physics Calendar entry for Upper Division Required Courses for both the Major and Honors should be changed to read:

PHYS 325-3 Relativity and Electromagnetism
OR PHYS 324-3 Electromagnetics

Rationale:

Students were required to take PHYS 325 when it was the only 300 level course in electromagnetism offered. While the emphasis given in PHYS 324 is different from that in PHYS 325, either course provides sufficient background for the Chemical Physics student.

Information:

At the moment students in Physics Honors and Mathematical Physics Honors are required to take PHYS 325, students in Applied Physics Major are required to take PHYS 324 and students in Physics Major may take either.

- iii) The calendar entry for the Chemical Physics Major Program, Upper Division Required Courses should be changed to read:

PHYS 465-3^(d) Solid State Physics
OR PHYS 455-3 Laser Physics

Rationale:

The present requirement that the Major student must take Solid State Physics was set before Laser Physics was offered by the Physics Department. Permitting the student to take either will maintain a core program beneficial to the needs of the student, yet recognize the diversity of Chemical Physics. The option will also give the student some scheduling flexibility in their Upper Division courses.