

SIMON FRASER UNIVERSITY

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MEMORANDUM

SM 5/11/66

To.....	Senate	From.....	K. E. Rieckhoff
	Simon Fraser University		Acting Dean of Science
Subject.....	New Courses	Date.....	November 22, 1966

SF3005-6

New Courses:

Biological Sciences 408-3, BiophysicsChemistry 201-3, Bonding, Structure and Stereochemistry

This is merely a bookkeeping item. Senate has already given provisional approval to these courses in an earlier meeting. At that time, the courses had not come before Senate with a Faculty recommendation due to insufficient time before the beginning of the fall semester. When giving provisional approval, Senate requested that these courses be brought forth again through the normal channels to Senate for final approval.

The enclosed course descriptions and prerequisites have been discussed in the Undergraduate Curriculum Committee of the Faculty of Science, and the Faculty of Science in its meeting of November 17th unanimously supported the Committee's recommendation to ask Senate to give final approval to these courses. I hereby ask Senate to give such approval.

KER:mc

K. E. Rieckhoff,
Acting Dean of Science

SM 5/12/66

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FACULTY OF SCIENCE

New Courses:

Biological Sciences 408-3, Biophysics (3-1-0)

Description:

Selected topics are considered in detail. Existing knowledge and current problems are discussed and in some areas the student is brought to such a level that he can read the current literature.

Topics include the biophysics of photoreceptors, vision and colour; the photochemistry of vision, photosynthesis and bioluminescence; and the physical chemistry of biological membranes and nerve condition.

Prerequisites: Biol 201, Mathematics 111, 112,
Physics 101, 102, Organic Chem 251

and

Chemistry 201-3; Bonding, Structure and Stereochemistry (3-0-0)

Description:

The wave equation, quantum numbers and the treatment of simple atoms. The relationship of atomic structure to the periodic table. Ionic and covalent bond formation. Hybridisation. Stereochemistry of organic molecules.

Prerequisites: Chem 101, 102, Mathematics 111, 112,
Physics 101, 102