

SIMON FRASER UNIVERSITY

S.78-118

MEMORANDUM

To..... SENATE

From..... N. R. REILLY, CHAIRMAN

..... SENATE COMMITTEE ON UNDERGRADUATE
..... STUDIES

Subject..... PROPOSED CURRICULUM REVISIONS IN
..... BIOLOGICAL SCIENCES

Date..... OCTOBER 17, 1978

Action taken by the Senate Committee on Undergraduate Studies at its meeting on Tuesday, October 10, 1978 givesrise to the following motion:

MOTION: "That Senate approve and recommend approval to the Board of Governors, as set forth in S.78-118, the proposed revisions in Biological Science including:-

- a) BISC 405-3 - Cell Biology, prerequisite change
- b) Change to "Note" concerning students majoring in the Biological Sciences
- c) BISC 306-3 - Invertebrate Biology, change in description and prerequisite
- d) BISC 418-3 - Advanced Invertebrate Biology, change in description and prerequisite
- e) BISC 310-3 - the Plants and Animals of British Columbia, and BISC 403-3 - Plant Ecology - requirements for a field trip."

Norman R. Reilly

N. R. Reilly

SIMON FRASER UNIVERSITY

MEMORANDUM

SCUS 78-44
as recommended by
Sen. Oct 10, 1978

To..... H.M. Evans, Secretary to SCUS

From..... J.M. Webster

Dean of Science

Subject..... Proposed Revisions in
 Biological Sciences

Date..... 1978 10 03

The Faculty of Science at its meeting of 1978 09 28 approved the followed proposed calendar revisions in Biological Sciences and moved that these proposed revisions be forwarded to the Senate Committee on Undergraduate Studies for consideration and approval.

- a.) BISC 405-3, Cell Physiology (page 375 of the 1978/79 Calendar).
Prerequisite changes from CHEM 251-3 and BISC 201-3 or BICH 302-3

TO MATH 155-3 Calculus II for the Biological Sciences,
 CHEM 251-3 Organic Chemistry I,
 CHEM 256-2 Organic Chemistry Laboratory I,
 PHYS 102-3 General Physics I,
 BISC 301-3 Biochemistry-Intermediary Metabolism,
 or equivalents.
 BISC 305-3 Animal Physiology is recommended.

- b.) Page 370 of the 1978/79 Calendar. Change from "Note: Students majoring in the Biological Sciences are encouraged to complete the Chemistry, Mathematics and Physics requirements as well as the lower division Biological Science courses within the first 60 semester hours (4 semesters)."

TO "Note: Students majoring in the Biological Sciences are normally required to complete the Chemistry, Mathematics and Physics requirements as well as the lower division Biological Science courses within the first 60 semester hours (4 semesters)."

- c.) BISC 306-3 Invertebrate Biology - Change in Description and Prerequisite

An introduction to the selected invertebrate phyla with emphasis on functional morphology, diversity and ecology. Normally, a compulsory weekend field trip to a marine station is required with this offering.
 Prerequisites: BISC 101-4 Introduction to Biology
 BISC 102-4 Introduction to Biology
 BISC 204-3 Introduction to Ecology

- d.) BISC 418-3 Advanced Invertebrate Biology - Change in Description and Prerequisite

This course emphasizes supervised in-depth research by advanced students on a selected invertebrate species or group. Normally, one to several compulsory weekend visits to a marine station will be required in this offering.

Prerequisite: BISC 306-3 Invertebrate Biology

- e.) The following addenda to the Calendar descriptions of BISC 310-3, The Plants and Animals of British Columbia and BISC 404-3,

Plant Ecology: "A field trip of one to four days is normally a required part of the course."


J.W. Webster

JMW/mgj