

SIMON FRASER UNIVERSITY

MEMORANDUM

S. 76-160

To SENATE

From SENATE COMMITTEE ON UNDERGRADUATE STUDIES

Subject Course and Program Changes -
Biological Sciences

Date 18th November, 1976

Action taken by the Senate Committee on Undergraduate Studies at its meeting of November 9th, 1976 gives rise to the following motions:

MOTION 1

That Senate approve, and recommend approval by the Board of Governors, the program changes set forth on pages 1, 2 of S.76-160 including the deletion of Comp.103 as an alternative course for Math.101 in the core program for the major, the replacement of a three credit hour science elective with a three credit hour general elective, a change in the recommended elective (adding English or a foreign language and making Math.302 highly recommended), the addition of the recommendation that students in the honors program take the individual study semester (BISC.490, 491 and 492), and the deletion of a redundant note in the description of the minor program to the effect that B.C. high school grade XI and XII biology will not be accepted in lieu of BISC.101 and 102.

MOTION 2

That Senate approve, and recommend approval by the Board of Governors, course title changes as follows: BISC.201 from "Cell Biology and Biochemistry" to "Cell Biology", BISC.301 from "Biochemistry I" to "Biochemistry - Intermediary Metabolism", BISC.401 from "Biochemistry II" to "Biochemistry - Regulatory Mechanisms", and BISC.402 from "Physiological Genetics" to "Molecular Genetics".


Note - None of these changes denotes change in the subject matter; each is intended to better describe the nature and content of the course.

MOTION 3

That Senate approve, and recommend approval by the Board of Governors, the revision set forth on page 1 of S.76-160 to the Calendar statement (page 339 in 76-77 Calendar) regarding "courses in Biology for students not majoring in Biology".

MOTION 4

That Senate approve, and recommend approval by the Board of Governors, the changes in prerequisites as set forth on page 2 of S.76-160, for BISC 310, BISC 428, BISC 438, BISC 448, BISC 432, BISC 435, BISC 490, BISC 491, BISC 492.



Daniel R. Birch

SIMON FRASER UNIVERSITY

SCUS 76-42C

MEMORANDUM

F-76-13

To J. M. Webster
Dean of Science

From D. Ryeburn
Chairman, FUGCC

Subject Calendar revisions - Biological Sciences Date 5 October 1976
Course + Program Changes

At the meetings of 23 and 30 September 1976, the Faculty of Science Undergraduate Curriculum Committee approved the following changes for the 1977/78 edition of the Calendar:

1) The Major core programme has been specified more clearly for students. It is identical to the list of courses shown in the current Calendar as *pages 333-3* the "normal" core programme, with the following changes;

(a) CMPT 103 is no longer an alternative course for MATH 101; - this reflects the opinion of the Department that some knowledge of statistics is essential to any Biological Scientist;

(b) the 3 credit-hour science elective is deleted and becomes an additional general elective.

2) English or a foreign language is recommended under the heading, "Electives". MATH 302 is highly recommended.

3) In the Honors programme, it is recommended that students take the Individual Study Semester (BISC 490, 491 & 492).

4) In the Minor programme, the note to the effect that B.C. High School Grade 11 and 12 Biology will not be accepted in lieu of BISC 101 & 102 is deleted. This note became redundant when BISC 101 & 102 were made compulsory for all Biological Sciences students, and could not be by-passed by those with Grade 12 Biology.

5) The titles of the following courses were changed. It is understood that none of the changes denotes a change in the subject matter covered in the courses. They are intended to be descriptive titles to serve as a better guide to the nature and content of the courses.

BISC 201 Cell Biology and Biochemistry, becomes
BISC 201 Cell Biology

BISC 301 Biochemistry I, becomes
BISC 301 Biochemistry - Intermediary Metabolism

BISC 401 Biochemistry II, Becomes
BISC 401 Biochemistry - Regulatory Mechanisms

BISC 402 Physiological Genetics, becomes
BISC 402 Molecular Genetics

Page 339 6) The paragraph entitled "Courses in Biology for Students not Majoring in Biology" has been revised as follows:

Certain courses may be of interest to students who are not enrolled as Biological Sciences majors. These courses are BISC 003-3, 101-4, 102-4, 201-3, 202-3, 203-3, 204-3, 303-3, 310-3, 316-3, 317-3, 326-3, and 337-3. Students are invited to consult the Department for information regarding prerequisites and entry requirements.

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edit: 7) The following prerequisite changes were approved.

BISC 310 - At least Fifth Semester standing in Biological Sciences, or consent of the instructor.

BECOMES BISC 310 - At least *75 semester hours credit in the biological sciences program* or permission of the Department.

BISC 428, 438 & 448 - Add new prerequisite, *completion of at least 90 semester hours credit in the biological sciences program. **

BISC 432 - BISC 301 or permission of instructor
BECOMES BISC 432 - BISC 301 or permission of the Department.

BISC 435 - BISC 317 or fifth semester standing,
BECOMES BISC 435 - BISC 317 or *75 semester hours credit in the biological sciences program.*

BISC 490, 491 & 492 - (i) Completion of all first and second level Biological Science courses, plus BISC 301 (Biochemistry), or their equivalent.

(ii) Completion of all Physics, Chemistry and Mathematics prerequisites.

(iii) At the time of application, have a minimum cumulative GPA of 2.75, and a minimum cumulative GPA in Biological Sciences of 3.00.

BECOMES

BISC 490, 491 & 492 - (i) Completion of all lower division Biological Sciences courses, plus upper division BISC courses appropriate to the subject of the intended research as determined by the Departmental Undergraduate Curriculum Committee.

(ii) Completion of all Physics, Chemistry and Mathematics requirements for the Major or Honors programme.

(iii) At the time of application, have a minimum GPA of 2.75 and a minimum cumulative GPA in Biological Sciences of 3.00.

David Pychem

* The rationale for this pre-requisite is that it had previously been omitted from the Calendar. It has been a long-established practice of the Department to ensure that students in these courses had an adequate background in Biology before being permitted to register.

nh/dr