

SIMON FRASER UNIVERSITY

MEMORANDUM

S77-153

To..... SENATE

From..... Senate Committee on

Undergraduate Studies

Subject..... Department of Chemistry:
Course and Program Changes

Date..... November 9, 1977

Action taken by the Senate Committee on Undergraduate Studies at its meeting of Tuesday, November 1, 1977 gives rise to the following motion:

MOTION

That the changes in Chemistry, as set forth in S.77-153, be approved and recommended to the Board for approval.

This motion includes the following specific actions:

1. Chem 003, 004, 005 - Change in prerequisite statement
2. Chem 104, 105, 357 - Change in course description
3. Chem 432, 437 - Deletion of co-requisite, Change in prerequisite statement for the latter.
4. Modification of Math requirements for Chem majors.

:tb

For Birch

MEMORANDUM

To H.M. Evans

Registrar

Subject Changes in Chemistry

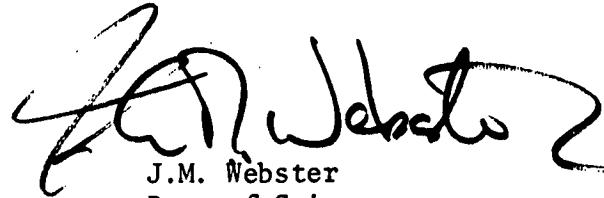
From Dr. J.M. Webster

Dean of Science

Date October 18, 1977

At its meeting of October 13, 1977, the Faculty of Science unanimously approved a motion to accept the proposed changes to the Department of Chemistry Calendar entry as described in the attached memorandum from J. D'Auria to J. Webster dated September 26, 1977.

These changes are herewith forwarded to the Senate Committee on Undergraduate Studies for further consideration.



J.M. Webster
Dean of Science

/amd

Attachments

RECEIVED

OCT 20 1977

REGISTRAR'S OFFICE
CSK

SIMON FRASER UNIVERSITY

MEMORANDUM

To..... J. Webster,
Dean of Science

From..... J. D'Auria, Chairman of
Chemistry Department Under-
graduate Studies Committee

Subject..... Changes in Chemistry

Date..... 26th September 1977

The following changes were approved by the DUGSC (April 15, 1977), the Chemistry Department (July 13, 1977), and the Faculty of Science Undergraduate Studies Committee (September 22, 1977).

1. Chem 003, 004, 005: Replace: "Prerequisite: None. For Chemistry Majors or Honors students, this course is available only as a 'free elective'" by:

This course has no prerequisites and is available as an elective for students from all Faculties.

2. Chem 104: Replace present course description by:

Atomic structure and chemical bonding; gases, liquids, solids and solutions; chemistry of oxygen, hydrogen and other main group elements; the periodic table; basic electro-chemical cells.

3. Chem 105: Replace present course description by:

Chemical equilibria; electrochemistry; chemical thermodynamics; kinetics; transition metal chemistry.

4. Chem 357: Replace present course description by:

Basic principles of infrared, ultraviolet, nuclear magnetic resonance and mass spectroscopy as applied to the identification of organic compounds.

5. Chem 432: Delete:

Chem 437-2 will ordinarily be taken concurrently.

6. Chem 437: Replace:

Co-requisite: Chem 432-3, by:
Prerequisite: Chem 332-3 and 336-2.

7. Math Requirements for Chem Majors:

Math 151-3, 152-3, 253-4 and a minimum of 3 additional credits to be chosen from Math 232-3, 302-3 (prerequisite: Math 101), 310-3, 312-4 or 316-3 (prerequisite: Math 232). Math 310-3 is highly recommended.

8. Delete the paragraph entitled "Clinical Chemistry" (bottom of p. 375, 1977/78 calendar).

Rationale for 1 to 6:

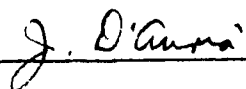
The new entries represent more concise descriptions of course contents and prerequisites as presently offered. The purpose of the change for Chem 00X is to invite students from other Faculties. The changes for Chem 432 and 437 are necessary since these two courses are never offered concurrently.

Rationale for 7:

The 1977/78 calendar lists the Math requirements for Chem Majors as 151, 152, 253, and 310 or 316. Since the addition of Math 316 as an alternative to Math 310 (Fall 1976), it has been pointed out that there is no justification to single out this course as being more important to Chem Majors than other upper-level Math courses (e.g., 302 or 312) or Math 232 while Math 310, being a prerequisite for Chem 361 and a required course in the Honors program, clearly deserves special emphasis.

Rationale for 8:

The proposed Clinical Chemistry program has been rejected by the University Council in July 1977.



J. D'Auria

JDA:SLH