November 9, 2007

To whom it may concern,

I am summarizing common chemistry program changes required by the retirement of CHEM 277 and the introduction of CHEM 287 (Intro Analytical Chemistry [2 credits]) and CHEM 297 (Intro Analytical Chem. Lab. [1 credit]). The affected programs (and their current credit weights) covered by this memo are:

- B.Sc. Chemistry Majors (59 credits)
- B.Sc. Chemistry Honours (71 credits)
- B.Sc. Chemistry Honours with Bio-Organic Option (75 credits)*
- B.Sc. Chemistry Major with Bio-Organic Option (63 credits)*
- B.Sc. Chemistry Honours in Chemistry: Atmosphere and Environment Option (75 credits)*
- B.Sc. Chemistry Major in Chemistry: Atmosphere and Environment Option (63 credits)*
- B.Sc. Chemistry Honours with Materials Option (74 credits)
- B.Sc. Chemistry Major with Materials Option (62 credits)

*Does not require PHYS 242

All these programs require a common core of requirements (with the exception of PHYS 242 as noted above). This core is what is affected by the course change as shown on the attached page. The effective term of revision is 200809.

As you can see, the change is credit neutral. I hope this meets with your approval.

Sincerely,

David Ronis
Professor, Associate Chair of Chemistry,
& Chemistry Curriculum Committee Chair
Existing Core Requirements:
Chemistry Majors and Honours Programs

Required Courses

(53 credits)
CHEM 212* (4) Introductory Organic Chemistry 1
CHEM 222* (4) Introductory Organic Chemistry 2
CHEM 223 (2) Introductory Physical Chemistry 1
CHEM 243 (2) Introductory Physical Chemistry 2
CHEM 253*** (1) Introductory Physical Chemistry 1 Laboratory
CHEM 263*** (1) Introductory Physical Chemistry 2 Laboratory
CHEM 277D1 (1.5) Analytical Chemistry
CHEM 277D2 (1.5) Analytical Chemistry
CHEM 287 (2) Introductory Analytical Chemistry
CHEM 297 (1) Introductory Analytical Chemistry Laboratory
CHEM 281 (3) Inorganic Chemistry 1
CHEM 302 (3) Introductory Organic Chemistry 3
CHEM 345 (3) Molecular Properties and Structure 1
CHEM 355 (3) Molecular Properties and Structure 2
CHEM 365 (2) Statistical Thermodynamics
CHEM 367 (3) Instrumental Analysis 1
CHEM 377 (3) Instrumental Analysis 2
CHEM 381 (3) Inorganic Chemistry 2
CHEM 392 (3) Integrated Inorganic/Organic Laboratory
CHEM 393 (2) Physical Chemistry Laboratory 2
MATH 222** (3) Calculus 3
MATH 315 (3) Ordinary Differential Equations
PHYS 242 (2) Electricity and Magnetism

* denotes courses with CEGEP equivalents

** Students who have successfully completed MATH 150 and MATH 151 are not required to take MATH 222.

***Not offered 2007-8. Students entering in Sept. 2007 will take CHEM 363 in U2 or U3 instead.

PROPOSED CORE REQUIREMENTS (The effective term of revision: 200809):
Chemistry Majors and Honours Programs

Required Courses

(53 credits)
CHEM 212* (4) Introductory Organic Chemistry 1
CHEM 222* (4) Introductory Organic Chemistry 2
CHEM 223 (2) Introductory Physical Chemistry 1
CHEM 243 (2) Introductory Physical Chemistry 2
CHEM 253*** (1) Introductory Physical Chemistry 1 Laboratory
CHEM 263*** (1) Introductory Physical Chemistry 2 Laboratory
CHEM 287 (2) Introductory Analytical Chemistry
CHEM 297 (1) Introductory Analytical Chemistry Laboratory
CHEM 281 (3) Inorganic Chemistry 1
CHEM 302 (3) Introductory Organic Chemistry 3
CHEM 345 (3) Molecular Properties and Structure 1
CHEM 355 (3) Molecular Properties and Structure 2
CHEM 365 (2) Statistical Thermodynamics
CHEM 367 (3) Instrumental Analysis 1
CHEM 377 (3) Instrumental Analysis 2
CHEM 381 (3) Inorganic Chemistry 2
CHEM 392 (3) Integrated Inorganic/Organic Laboratory
CHEM 393 (2) Physical Chemistry Laboratory 2
MATH 222** (3) Calculus 3
MATH 315 (3) Ordinary Differential Equations
PHYS 242 (2) Electricity and Magnetism

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