UNIVERSITY of Prince Edward ISLAND

Fourth Curriculum Report
December 2, 2025 (APCC)
December 19, 2025 (Senate)

SUMMARY OF CHANGES

SUMMARY OF CHANGES FACULTY OF ARTS — Motion # 1

Summary of Motions

Faculty of Arts

#	Type of Motion	Motion
1.	Pre-requisite Addition/Change	POLS 4020

CALENDAR & CURRICULUM CHANGE — Motion # 1

Revision is for a: **Pre-requisite Addition/Change**

Faculty/School/Department: **Arts**

Department/Program(s)/Academic Regulations: **Political Science**

MOTION: That the prerequisite for POLS 4020 be expanded

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
4020 LAW, THE COURTS AND THE CONSTITUTION II In this course, students apply the knowledge acquired in Political Science 401 to a series of constitutional conflicts. In courtroom simulations students gain insight into the methods, rationality and conflicts of constitutional review. Particular attention is paid to human rights issues, especially those raised by the Canadian Charter of Rights and Freedoms. The course concludes with critical analyzes of the role of the courts in distributing power in our federal system, the kind of knowledge required for such adjudication and the strengths and weaknesses of existing practice. PREREQUISITE: Political Science 4010 or permission of the instructor.	4020 LAW, THE COURTS AND THE CONSTITUTION II In this course, students apply the knowledge acquired in Political Science 401<u>0</u> to a series of constitutional conflicts. In courtroom simulations students gain insight into the methods, rationality and conflicts of constitutional review. Particular attention is paid to human rights issues, especially those raised by the Canadian Charter of Rights and Freedoms. The course concludes with critical ~~analyzes~~ <u>analyses</u> of the role of the courts in distributing power in our federal system, the kind of knowledge required for such adjudication and the strengths and weaknesses of existing practice. PREREQUISITE: <u>One of</u> Political Science <u>2010, 2110, 2120, or 2620</u> ~~4010~~, or permission of the instructor.

<u>Rationale for Change</u>: The current prerequisite is overly restrictive as POLS 4010 is offered infrequently. POLS 2010, 2110, 2120 and 2620, on the other hand, are offered every year. This will also give students who have taken POLS 2110 or 2120 (Law, Politics and the Judicial Process, I and II) an opportunity to further their interest in legal studies. Both POLS 2110 and 2120 are heavily subscribed.

<u>Effective Term</u>: FALL 2026

<u>Implications for Other Programs</u>: no impact on other programs; enhances the Political Science program

<u>Impact on Students Currently Enrolled</u>: This will allow a greater number of students to enrol in POLS 4020

Authorization	***Date:***
Departmental Approval: Don Desserud	October 19, 2025
Faculty/School Approval: Arts Curriculum Committee.	November 10, 2025
Faculty Dean's Approval: Sharon Myers	November 10, 2025
Grad. Studies Dean's Approval: n/a	n/a.
Received by Registrar's Office:	November 10, 2025

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SUMMARY OF CHANGES FACULTY OF SCIENCE — Motion #'s 2-5

Summary of Motions

Faculty of Science

#	Type of Motion	Motion
2.	Course Description Change	CHEM 2720
3.	Course Description Change	CHEM 3740
4.	Pre-requisite Addition/Change	STAT 2910
5.	Course Title & Course Description Change	STAT 3660

CALENDAR & CURRICULUM CHANGE — Motion # 2

Revision is for a: **Course Description Change**

Faculty/School/Department: **Science**

Department/Program(s)/Academic Regulations: Chemistry

MOTION: To update course description of CHEM 2720 INORGANIC CHEMISTRY I

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
2720 INORGANIC CHEMISTRY I This course introduces transition metals and their coordination compounds. Topics include: isomerism, stereochemistry, crystal field theory and HSAB theory. The course also examines specific reactions such as ligand substitution, oxidative addition, reductive elimination, and insertion reactions. Other topics include: symmetry, point groups, symmetry in spectroscopy, as well as an introduction to bioinorganic chemistry. PREREQUISITE: Chemistry 1120 Three lecture hours and four laboratory hours a week	2720 INORGANIC CHEMISTRY I This course introduces transition metals and their coordination compounds. Topics include~~:~~ naming and electron counting, coordination isomers, stereochemistry, approaches to ligand design, hard-soft acid base (HSAB) theory, crystal field theory, ligand field theory, and molecular symmetry. ~~isomerism, stereochemistry, crystal field theory and HSAB theory.~~ The course also examines substitution reactions, green chemistry, IR spectroscopy, and UV-Vis spectroscopy. ~~specific reactions such as ligand substitution, oxidative addition, reductive elimination, and insertion reactions. Other topics include: symmetry, point groups, symmetry in spectroscopy, as well as an introduction to bioinorganic chemistry.~~ PREREQUISITE: Chemistry 1120. Three lecture hours and four laboratory hours a week

Rationale for Change: Updated course content to reflect recent changes to the curriculum.

Effective Term: Fall 2026

Implications for Other Programs: None.

Impact on Students Currently Enrolled: None

CALENDAR & CURRICULUM CHANGE — Motion # 2

Authorization	***Date:***
Departmental Approval: Barry Linkletter	October 15, 2025
Faculty/School Approval: Science Council	October 27, 2025
Faculty Dean's Approval: Nola Etkin	October 27, 2025
Grad. Studies Dean's Approval: n/a	n/a
Received by Registrar's Office:	November 10, 2025

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CALENDAR & CURRICULUM CHANGE — Motion # 3

Revision is for a: **Course Description Change**

Faculty/School/Department: **Science**

Department/Program(s)/Academic Regulations: Chemistry

MOTION: To update course description of CHEM 3740 INORGANIC CHEMISTRY II

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3740 INORGANIC CHEMISTRY II This course examines the descriptive inorganic and organometallic chemistry of the main group elements and their compounds. Topics include: periodic trends in reactivity, structure and physical properties. Emphasis will be on molecular chemistry, but there will be some coverage of solid-state compounds such as borane clusters, silicates and aluminosilicates. The course also introduces the crystal structure of metallic and ionic solids, as well as band theory. PREREQUISITE: Chemistry 2720 with a minimum of 60% and Chemistry 3610 must be taken at least concurrently. Three lecture hours and three hours laboratory a week	3740 INORGANIC CHEMISTRY II This course examines the descriptive inorganic and organometallic chemistry of the main group elements and their compounds. Topics include: green chemistry, molecular symmetry vibrational spectroscopy, multinuclear NMR spectroscopy, main group elements and their reactivity (Lewis acids, frustrated Lewis pairs, boron-based polymers, clusters, carbenes and silylenes, main group multiple bonds, N-oxides, phosphorous redox reactivity, haloacids), cross coupling catalysis, metal hydrides, and catalytic hydrogenation. ~~periodic trends in reactivity, structure and physical properties. Emphasis will be on molecular chemistry, but there will be some coverage of solid-state compounds such as borane clusters, silicates and aluminosilicates. The course also introduces the crystal structure of metallic and ionic solids, as well as band theory.~~ PREREQUISITE: Chemistry 2720 with a minimum of 60% and Chemistry 3610 must be completed or taken ~~at least~~ concurrently. Three lecture hours and three hours laboratory a week

Rationale for Change: Updated course content to reflect recent changes to the curriculum.

Effective Term: Fall 2026

Implications for Other Programs: None

Impact on Students Currently Enrolled: None

CALENDAR & CURRICULUM CHANGE — Motion # 3

Authorization	***Date:***
Departmental Approval: Barry Linkletter	October 15, 2025
Faculty/School Approval: Science Council	October 27, 2025
Faculty Dean's Approval: Nola Etkin	October 27, 2025
Grad. Studies Dean's Approval: n/a	n/a
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CALENDAR & CURRICULUM CHANGE — Motion # 4

Revision is for a: **Pre-requisite Addition/Change**

Faculty/School/Department: **Science**

Department/Program(s)/Academic Regulations: **Mathematical and Computational Sciences**

MOTION: That the prerequisite change for Stat 2910 be approved as presented.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
2910 PROBABILITY AND MATHEMATICAL STATISTICS I This course is an introduction to the theoretical basis of statistics for students who have completed STAT 1910. The study concentrates on the mathematical tools required to develop statistical methodology. Topics covered include: probability, continuous and discrete random variables, moment generating functions, multivariate probability distributions and functions of random variables. PREREQUISITE: STAT 1910 COREQUISITE: MATH 2910 must be completed or taken concurrently. Three lecture hours per week	2910 PROBABILITY AND MATHEMATICAL STATISTICS I This course is an introduction to the theoretical basis of statistics for students who have completed STAT 1910. The study concentrates on the mathematical tools required to develop statistical methodology. Topics covered include: probability, continuous and discrete random variables, moment generating functions, multivariate probability distributions, ~~and~~ functions of random variables, and the Central Limit Theorem. PREREQUISITE: STAT 1910 and MATH 1920 ~~COREQUISITE: MATH 2910 must be completed or taken concurrently.~~ Three lecture hours per week

Rationale for Change: MATH 1920 is an appropriate corequisite. Instructors indicate that there was only one topic that used multivariable calculus, and modifications could be made to how the topic was taught while still covering all the learning objectives. This change will provide flexibility for students in the Statistics, Actuarial Science, and Financial Math programs, given that STAT 2910 is a pre-requisite for at least four other 3000 and 4000-level required courses. It also opens it up to other students who are not required to take MATH 2910 in their program, such as Computer Science students.

Effective Term: FALL 2026

Implications for Other Programs: None. This is only a required course for programs within SMCS.

Impact on Students Currently Enrolled: None

Authorization	***Date:***
Departmental Approval: Shannon Fitzpatrick	October 3, 2025
Faculty/School Approval: Science Council	October 27, 2025
Faculty Dean's Approval: Nola Etkin	October 27, 2025
Grad. Studies Dean's Approval: n/a	n/a
Received by Registrar's Office:	November 10, 2025

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CALENDAR & CURRICULUM CHANGE — Motion # 5

Revision is for a: **Course Title Change**

Faculty/School/Department: **Science**

Department/Program(s)/Academic Regulations: **School of Mathematical and Computational Sciences**

MOTION: That the changes in course name, course description and prerequisite for STAT 3660 be approved as presented.

Reproduction of Current Calendar Entry	Proposed revision with changes underlined and deletions indicated clearly
3660 DATA VISUALIZATION AND MINING This course explores methods for visualizing and interpreting high-dimensional and multimodal data. Topics include working with feature and embedding spaces, clustering, and interactive visualizations, alongside best practices in design, principles of visual perception, and ethical considerations like avoiding bias and misleading representations. Through projects and case studies, students will develop practical skills using visualization tools and libraries. PREREQUISITE: CS 1910, MATH 2910 and STAT 2910 Three lecture hours per week	3660 ~~DATA VISUALIZATION AND MINING~~ High-Dimensional Data Analytics ~~This course explores methods for visualizing and interpreting high-dimensional and multimodal data. Topics include working with feature and embedding spaces, clustering, and interactive visualizations, alongside best practices in design, principles of visual perception, and ethical considerations like avoiding bias and misleading representations. Through projects and case studies, students will develop practical skills using visualization tools and libraries.~~ This course trains students to critically apply statistical and computational techniques to real-world data analysis problems, with an emphasis on high-dimensional data. Building on foundations from earlier courses, students will deepen their understanding of how to frame analytical objectives, preprocess complex datasets, and apply appropriate modeling approaches. Topics include exploratory data analysis (i.e., data acquisition, data preprocessing, data cleaning, visualization techniques, numerical summaries, data exploration), dimension reduction methods (linear and nonlinear) for simplifying and interpreting high-dimensional datasets, and supervised and unsupervised learning of both continuous and categorical outcomes. Algorithms may include clustering algorithms, multiple linear regression, logistic regression, decision trees, neural networks and pre-trained models. The course emphasizes not only technical skills but also critical reasoning about model assumptions, generalization, and the implications of statistical learning in applied contexts. PREREQUISITE: CS 1910, ~~MATH 2910~~ STAT 2240 and STAT 2910 Three lecture hours per week

CALENDAR & CURRICULUM CHANGE — Motion # 5

Rationale for Change: The course name and description has been updated to better reflect course content. The description has been made more specific to differentiate STAT 3660 from the newly introduced AMS 2910 Design Thinking with Data as well as CS 4120 Machine Learning. The change in pre-requisite is to reflect the fact that STAT 2910 has MATH 1920 as a pre-requisite and no higher-level mathematics is required. Finally, STAT 2240 Applied Regression Analysis has been added to allow more substantive discussion of the algorithms listed in the course description.

Effective Term: FALL 2026

Implications for Other Programs: None

Impact on Students Currently Enrolled: None. Students who require this course, or who are likely to take it as an elective, already have STAT 2240 as a required 2nd year course.

Authorization	***Date:***
Departmental Approval: Shannon Fitzpatrick	October 3, 2025
Faculty/School Approval: Science Council	October 27, 2025
Faculty Dean's Approval: Nola Etkin	October 27, 2025
Grad. Studies Dean's Approval: n/a	n/a
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