

FACULTY COUNCIL
Tuesday, November 19th, 2024
Microsoft Teams Meeting (Online)
4:15 PM – 6:15 PM

AGENDA

1. Additions/Approval of Agenda
2. Approval of Previous Meeting Minutes
3. Business Arising from the Minutes?
4. Reports
 - a) Chair's Report - (Allyson Rozell)
 - b) Dean's Report - (Amy Jeon)
 - c) Senate Reports
 - i) Senate - (Allyson Rozell)
 - ii) Standing Committee on Program Review – (Fergal Callaghan)
 - iii) Standing Committee on University Budget – (Fergal Callaghan)
 - iv) Standing Committee on Academic Planning and Priorities – (Allyson Rozell)
 - v) Standing Committee on Curriculum – (Richard Popoff)
 - vi) Standing Committee on Research – (Paul Adams)
 - vii) Standing Committee on Teaching and Learning – (Catherine Chow)
 - d) Science Committee Reports
 - i) Curriculum – (Richard Popoff)
 - Determination of a New Degree Program – Minor in Chemistry
 - Program and Course Changes – MATH to STAT
 - ii) Academic Planning and Priorities – (Allyson Rozell)
 - iii) Research – (Mike Bomford)
 - iv) Nominations and Governance – (Michael Coombes)
5. New Business?

Date of next meeting: December 17, 2024



FACULTY COUNCIL
Tuesday, October 15th, 2024
Microsoft Teams Meeting (Online)
4:15 PM – 6:15 PM

Meeting Minutes

Attendees:

Amy Jeon; *Dean pro tem*
Erika Eliason; *Assoc. Dean*
Leila Biu; *Recording*
Allyson Rozell; *Chair*
Alex Lyon
Casey McConill
Catherine Chow
Christina Iggulden
David Sud
Ellen Pond
Jane Shin
Kelsie Doering
Korri Thorlacius
Melissa Drury
Nadia Henwood
Russ Lyons
Samaneh Ghazanfari Hashemi
Suellen Zhou
Tyron Tsui
Xavier Ardez
Guest; Zena Mitchell
Guest; Heather Harrison

Regrets:

Christina Heinrick; *Assoc. Dean pro tem*
Jeff Dyck; *Assoc. Dean*
Michael Coombes; *Vice-Chair*
Alan Davis
Dominic Bernard
Fergal Callaghan
Mary Hosseinyazdi
Michelle Ikoma
Muskandeep Kaur
Nicole Tunbridge
Sepideh Tahriri Adabi

1. Approval of the Agenda of October 15, 2024

*It was **moved** (Catherine Chow), **seconded** (Casey McConill), **and carried THAT** the agenda be approved as distributed.*

2. Approval of the Faculty Council Minutes of September 17, 2024

*It was **moved** (Kelsie Doering), **seconded** (Suellen Zhou), **and carried THAT** the agenda be approved as distributed.*

3. Business Arising:

- Nothing arising.

4. Reports:

a. Chair's Report:

- No report.

b. Dean's Report:

- It was wonderful to see enthusiastic prospective students engage with faculty during the recent KPU Surrey Open House. I would like to express gratitude to those who came out and provided their service to encourage domestic students to come to KPU. With the concerns around the international students, it is important to direct our efforts to domestic students.
- Retirement incentive program application been received and the decision letter was sent out. The institution spent \$6.4 million to offer the incentives. The individuals who received the letters have until the middle of November to reply and accept the offer.
- Post-graduate work permit announcement increased our international student concerns. Lori McElroy will present on projection numbers on Senate. Senate meeting is open to public.
- Environmental Protection Technology program will go through class intake cancellation for Fall 2025 due to low enrollment. Chair will go through program revision and program review to revitalize the program. We are hoping to relaunch the program in Fall 2026.

c. Senate Reports:

- The 2024-2027 Academic Plan was approved.
- Senate approved revisions to Policy and Procedure AD5 (Honorary Degrees and Awards) and recommended that the Board of Governors approve revisions to Policy and Procedure AC3 (Program Review).
- There was a discussion on the proposed revisions to Policy and Procedure AC15 (Micro-credentials). The policy needs to be brought up to date to reflect current terminology for credit-bearing and non-credit-bearing micro-credentials. Only one credit-bearing micro-credential has been approved by Senate so far, and it is hoped that the process for approval of micro-credentials can be simplified and clarified.
- The proposed policy AC16 on academic rank and title for faculty was discussed. President Davis and David Burns assured us that it will not be rushed. Senators reinforced the desire for it not to be rushed and asked for more info on rank and title at other similar institutions. Although the phase 1 blog posting is now over, there will be further extensive consultation over the coming months. Before the phase 2 posting, Faculty are encouraged to engage in the discussion when opportunities arise.

- AVP Academic David Burns called for volunteers to serve on the new Indigenous Admissions Committee. See also recent email from Mike Coombes on this, and contact Mike if you are interested.
- Deadnaming of trans students on the roll of graduates was brought up as an issue of concern. Although use of legal names on official documents is currently a legal requirement, it was pointed out that this is being discussed at institutions across the country and there was general agreement at Senate that KPU should look into ways of recognizing graduates with their preferred names.

- **Senate Standing Committee on Program Review (SSCPR):**
 - No report.

- **Senate Standing Committee on University Budget (SSCUB):**
 - SSCUB and SSCAPP voted in favour of recommending that Senate recommend the Board of Governors approve the discontinuance of the Certificate in Mechatronics and Advanced Manufacturing Technology program and the Diploma in Mechatronics and Advanced Manufacturing Technology program, effective September 1, 2025.

- **Senate Standing Committee on Academic Planning and Priorities (SSCAPP):**
 - No report.

- **Senate Standing Committee on Curriculum (SSCC):**
 - Program changes to Bachelor's degree in Interior Design (Honours) and Citation in Cloud Architecture were approved.
 - A presentation from Meredith Laird on the new DQAB guidelines. This will affect anybody doing program reviews significantly.
 - SSCC approved the removal of the "Eligible for ZTC" tickbox from the course outline template, effective Nov 1, 2024. This will instead be tracked at the section level through Banner, since ZTC is determined by individual instructors.
 - A new "Low Textbook Cost" (LTC) designation is on the horizon (materials costing less than \$40).

- **Senate Standing Committee on Research (SSCR):**
 - No report.

- **Senate Standing Committee on Teaching and Learning (SSCTL):**
 - Teaching and Learning Commons plans to send out survey regarding the new Moodle update. No timeline on when that will be sent.
 - There is a community of practice around generative AI. It is a lunch webinar and a webinar series is coming soon.
 - The Learning Centre is piloting a tutor navigator program which is a student who is embedded in Moodle. The student will work one-on-one with the faculty. They help the students find resources or do a peer-led study session. Piloted for BIOL 1160 this Summer 2024.

- **Senate Standing Committee on Policy (SSCP):**
 - No report.

d. Committee Reports

- **Curriculum Committee:**
 - A series of MATH and one PHYS course revisions were approved.
 - A series micro-credentials were brought forward for approval from Brewing. These were not approved as the committee requested additional clarification on why Brewing was told to go the micro-credential route. This will be on our next meeting's agenda again as we'll hopefully have somebody from the Provost's office to provide the necessary information.
 - Determination of a New Degree Program for a Minor in Chemistry was approved. (Expect to see at FC in November)
- **Academic Planning and Priorities:**
 - No report.
- **Research:**
 - No report.
- **Nominations and Governance:**
 - Michael Nyenhuis has volunteered as representative for SSCC Pathways Committee.
 - SSCPolicy Faculty representative from Science is needed.
 - Science faculty member needed for committee on Indigenous admissions.
 - Please send suggestions for student members of FC to Mike Coombes.

5. New Business:

- We do not have ways to recognize faculty in different areas.
- Do we want to have Science Faculty level awards?
- There are the Senate level awards:
 - Distinguished Leadership Award
 - Distinguished Scholarship Award
 - Distinguished Service Award
 - Distinguished Teaching Award
 - And Team Service
- Arts has some awards:
 - Dean of Arts Teaching Award
 - Dean of Arts Service Award
 - Faculty of Arts Equity, Diversity, and Inclusion Awards
 - Faculty of Arts Research and Scholarly Mentorship Award

6. Guest: Global Strategy

Zena Mitchell and Heather Harrison

- Background
 - Context – developed by the Global Education Advisory Committee, upon the direction of the Global Task Force.
 - Goal – Advance internationalization at KPU in alignment with KPU's Vision 2026 and out values of equity, diversity, inclusion, and anti-racism.
- Guiding Principles
 - Ensure quality post-secondary experiences for all students
 - Foster innovation and success among faculty and staff
 - Attract and retain international and domestic students sustainably
 - Advance global education and foster an inclusive KPU community
- Overarching themes
 - How do we bring the world to KPU?
 - How do we take KPU to the world?
 - How do we curate meaningful intercultural engagement opportunities and competencies?
- Strategic Priorities
 - Global engagement – about enhancing global engagement and developing globally minded students
 - Strengthen international partnerships and research collaborations through an array of field schools and faculty exchanges
 - Improve travel policies and international delegation oversight.
 - Expand and promote global education opportunities and global development projects. We want to identify institutions abroad that share the same values that KPU has
 - EDI and Ant-racist Internationalization
 - Internationalization – a process where we integrate global dimensions and perspectives into our mission and things like teaching, services, research, and partnership.
 - Cultural competency training and EDI-focused professional development
 - Support-anti-racist and decolonizing pedagogies
 - Embed global competencies in curriculum and hiring practices
 - Global education – enabling international and domestic students as well as educators and others employees to participate in global learning and research.
 - Reduce barriers to international student success
 - Enhance international education delivery through partnerships
 - Promote open educational resources and authentic assessments
 - Connect community and Alumni
 - Achieve greater balance in the classroom
 - Improve community integration and support for international students
 - Foster connections between domestic and international students
- Excellence across multiple priorities. For example:
 - More funding available for faculty mobility
 - Sourcing external funding and looking at opportunities to try to make those mobility opportunities a reality.

- Faculty accompany the international team abroad on recruitment events and to see firsthand what it is about, speak to international students, and provide mini lectures on what to expect in the Canadian classroom.
- Send your feedback to: vpstudents@kpu.ca

Guest: Faculty Focus – Discovery, Community, and Wellbeing

Heather Harrison

- Faculty Connect: Discovery, Community, and Wellbeing, An Event for Faculty on February 20, 2025 at KPU Richmond
- 136 faculty members completed the questionnaire.
 - Originally focused on building resilience and helping with the levels of stress. Around 92 of the respondents said that having connection with their colleague and people across the university was the single most important thing for them and in rebuilding their resilience.
 - Faculty members were also interested in tools and resources that would make their job experience better.
- Goals for the event:
 - Demonstrate appreciation
 - Build community and connection
 - Improve workplace experience
- An example of how the day could look like
 - Discovery – collaborative problem solving, self-reflection, faculty story telling
 - Community – time with colleagues, networking with administrators and senior leadership, and learn about KPU services and supports
 - Wellbeing – facilitated nature walk, fun workshops, managing stress workshops, and massages and yoga
 - Keynote session
 - Exhibition Showcase of Services and Supports – 23 administrative departments coming to highlight the supports they have for faculty and students
- Opportunity guides – shortcuts to find out what is going on in particular areas you might want to engage in for your accountable time or PD time. Includes sustainability, equity, diversity, and inclusion, governance, indigenization, and decolonization. These guides will give you an overview of what is going on, how to get involved, why you might to be involved, and the frequently asked questions.
- The event is for faculty and lab instructors.

Meeting adjourned by Chair at 5:40 PM

Date of next Faculty Council: November 19, 2024

Determination of a New Degree Program

Please complete the following template and attach:

- evidence of the institution's internal approval for the new option (i.e., Senate or Education Council approval);
- existing and proposed calendar descriptions of courses; and
- program structure.

For additional information, please see "Determination of a New Degree Program," pages 7-8 of the [Degree Program Review – Criteria and Guidelines](#).

Degree Nomenclature

Current: Minor in Medicinal Chemistry

Proposed: Minor in Chemistry

Goals

Current:

The current Minor in Medicinal Chemistry aims to provide students with scientific proficiency in the discipline and methodologies of chemistry. The original proposal for the Minor emphasized the focus on the design, synthesis, and development of pharmaceutical drugs, but in reality, the current Minor produces students prepared for future careers in a wide variety of technical and professional fields, as well as further academic pursuits, related to chemistry.

Proposed:

The proposed Minor in Chemistry shifts the goal from the narrow focus on pharmaceutical training to reflect broader goals of scientific interdisciplinarity, critical thinking, and a holistic scientific approach embedded in the curriculum offered by KPU's Chemistry department. The aim remains producing graduates with the training and knowledge vital to diverse career trajectories, including those in biochemistry, healthcare-related fields, and material sciences.

Targeted Learners

Current:

The Minor in Medicinal Chemistry was primarily designed for students pursuing a Bachelor of Science in an existing KPU science major program. The targeted learner has always been students already pursuing a major in a non-chemistry field, but who wished to supplement their studies with training in the field of chemistry.

Proposed:

The proposed Minor in Chemistry retains this focus on students pursuing existing science majors at KPU. The Minor remains focused on providing training in the field of chemistry as a supplement to a student's chosen major, particularly those pursuing a major in Biology, Physics for Modern Technology, and Mathematics.

Educational Outcomes

Current:

The original Minor in Medicinal Chemistry's educational outcomes were designed to prepare students to be scientifically and technically competent in the field of medicinal chemistry, in order to produce graduates prepared for a range of research or technical positions in the private or public sectors, including pharmaceutical, biomedical, healthcare, and academic fields.

Proposed:

The educational outcomes for the Minor in Chemistry have changed little and mostly shift the narrow focus on medicinal chemistry to a focus on the field of chemistry more broadly. While a few program learning outcomes retain a focus on drug design and development, the majority of the learning outcomes continue to focus on a broad scientific knowledge base required for interdisciplinary research and career development in chemistry or related scientific fields. In addition, while this minor doesn't alone qualify students for entry into a chemistry graduate program, it continues to significantly prepare them for postgraduate studies in fields such as toxicology, pharmacology, bioanalytical chemistry, or chemical sensors.

Current	Proposed
1. be able to demonstrate a broad understanding of basic biomedical, chemical and physical sciences underlying the field of medicinal chemistry .	1. be able to demonstrate a broad understanding of basic biomedical, chemical, and physical sciences underlying the field of chemistry .
2. be able to demonstrate a modest understanding of topics such as but not limited to methods of modern drug discovery, drug development, drug target characterization and validation.	2. be able to demonstrate a modest understanding of topics such as but not limited to methods of modern drug discovery, drug development, drug target characterization and validation.
3. be able to identify, compile, analyze, and assess technical, scientific and health-care related information from a variety of sources and perspectives.	3. be able to identify, compile, analyze, and assess technical, scientific and health-care related information from a variety of sources and perspectives.
4. be able to demonstrate the technical communication skills necessary to understand, contribute to and participate in modern medicinal chemistry discussions and forums.	4. be able to demonstrate the technical communication skills necessary to understand, contribute to and participate in modern chemistry discussions and forums.
5. be able to demonstrate problem-solving ability and be able to formulate hypothesis-driven projects in modern areas of drug discovery and development.	5. be able to demonstrate problem-solving ability and be able to formulate hypothesis-driven projects in modern areas of drug discovery and development.
6. be prepared for entry-level technical support or research positions in the public, private, or nonprofit sectors, or as	6. be prepared for entry-level technical support or research positions in the public, private, or nonprofit sectors, or as

technical support staff in an academic or professional training program.	technical support staff in an academic or professional training program.
7. possess research and practical lab skills sufficient to support the design, testing and implementation of modern medicinal chemistry methods, assays, technologies, and innovative therapeutics.	7. possess research and practical lab skills sufficient to support the design, testing and implementation of modern chemistry methods, assays, technologies, and innovative therapeutics.

	Number of Courses	Number of Credits
Existing program courses and course credits:	13	48
Program Course Changes	12	44
New courses designed for proposed program:	0	0
Existing courses new to proposed program:	7	21
New Required courses:	0	0
New Elective courses:	7	21
Deleted Required courses:	5	18
Deleted Elective courses:	0	0
Courses previously Elective now Required:	0	0
Courses previously Required now Elective:	5	18

Number of Credits Required for Graduation:

Current: 48 credits (typically as part of a 120-credit baccalaureate degree)

Proposed: 44 credits (typically as part of a 120-credit baccalaureate degree)

... See next page

Current Requirements			New Requirements		
Curricular Requirements			Curricular Requirements		
Lower Level			Lower Level		
CHEM 1210	Chemical Energetics and Dynamics	4	CHEM 1210	Chemical Energetics and Dynamics	4
CHEM 2315	Analytical Chemistry	4	CHEM 2315	Analytical Chemistry	4
CHEM 2320	Organic Chemistry I	4	CHEM 2320	Organic Chemistry I	4
CHEM 2420	Organic Chemistry II	4	CHEM 2420	Organic Chemistry II	4
Select one of the following:		3	Select one of the following:		3
MATH 1120	Differential Calculus		MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I		MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)		MATH 1140	Calculus I (Business Applications)	
MATH 1220	Integral Calculus	3	MATH 1220	Integral Calculus	3
OR	Or		OR	Or	
MATH 1230	Calculus for Life Sciences II		MATH 1230	Calculus for Life Sciences II	
PHYS 1101	Physics for Life Sciences I	4	PHYS 1101	Physics for Life Sciences I	4
OR	Or		OR	Or	
PHYS 1120	Physics for Physical and Applied Sciences I		PHYS 1120	Physics for Physical and Applied Sciences I	
PHYS 1102	Physics for Life Sciences II	4	PHYS 1102	Physics for Life Sciences II	4
OR	Or		OR	Or	
PHYS 1220	Physics for Physical and Applied Sciences II		PHYS 1220	Physics for Physical and Applied Sciences II	
Lower-Level Total		30	Lower-Level Total		30
Upper Level			Upper Level		
CHEM 3320	Natural Products Chemistry	4	Select 8 credits from 3000-4000 CHEM		8
CHEM 4320	Drug Discovery, Design & Development	4	Select 6 credits from the following		6
CHEM 4330	Modern Alchemy	3	BIOL 3421	Molecular Biochemistry	
CHEM 4399	Current Topics in Medicinal Chemistry	3	BIOL 3321	Advanced Cell and Molecular Biology	
CHEM 4610	Instrumental Analysis	4	HSCI 4130	Pharmacology	

			PHYS 4010	Quantum Mechanics	
			PHYS 4600	Programming for Instrumentation	
			PHYS 4700	Solid State Physics: Theory and Practice	
			MATH 4210	Biomathematics	
	Upper-Level Total	18		Upper-Level Total	14
	Total Credits	48		Total Credits	44

SENATE STANDING COMMITTEE ON CURRICULUM**Agenda Number:** *Entered by Secretariat***Meeting Date:** *TBA***Presenter(s):** *Allyson Rozell*

AGENDA TITLE: MATH TO STAT PROGRAM AND COURSE CHANGES**ACTION REQUESTED:** Motion**RECOMMENDED RESOLUTION****THAT the Senate Standing Committee on Curriculum recommend that Senate approved the following course replacements:****MATH 1115 becomes STAT 1115****MATH 1170 becomes STAT 1170****MATH 2315 becomes STAT 2315****MATH 2335 becomes STAT 2335****MATH 3315 becomes STAT 3315****And that all programs and courses that reference these MATH courses be revised to include the STAT equivalent, effective September 1, 2025.****Affected courses are:**ACCT 3444 : AuditingACCT 4360 : Financial Modelling and Data Analytics Using MS-ExcelAGRI 3225 : Experimental Design & AnalysisBIOL 3180 : Life Science Research MethodsBUQU 3230 : Applied Decision AnalysisBUSI 2405 : Operations ManagementCBSY 2100 : Data Analytics for ImpactCRIM 4410 : Policy and Program EvaluationCPSC 3110: SimulationECON 3150 : Managerial EconomicsECON 3333 : Introductory EconometricsENTR 3100 : Business Analysis and Decision MakingENTR 3120 : Managerial Accounting for EntrepreneursENTR 3130 : Production and Operations ManagementENTR 3140 : Entrepreneurial Marketing

ENTR 3150 : Business Economics
ENTR 3170 : Entrepreneurial Finance
ENVI 2901 : Environmental Research Seminar
ENVI 2902 : Environmental Research Project
HORT 3360 : Scouting, Monitoring, and Assessment of Pests
MATH 2342 : Introduction to Statistics for Business
MATH 3110: Simulation Modeling
MATH 3140 : Mathematical Computing
MATH 3315 : Applied Inferential Statistics
MATH 4210: Biomathematics
MATH 4240: Mathematical Modelling
MATH 4280 : Graph Theory and Applications
MRKT 2333 : Fundamentals of Strategic Marketing Management
MRKT 3000 : Strategic Marketing Decision Making
PSYC 4700 : Culture and Psychology

Programs:

AA SB ECON: Associate of Arts in Economics
BBA SB ACCT: Bachelor of Business Administration in Accounting
BBA SB ENTR: Bachelor of Business Administration in Entrepreneurial Leadership
BBA SB HRMT: Bachelor of Business Administration in Human Resources Management
BBA SB MRKT: Bachelor of Business Administration in Marketing Management
BTEC SB INFO: Bachelor of Technology in Information Technology
CR SB GBUS: Certificate in General Business Studies
DI SB ACCT: Diploma in Accounting
DI SB BSMT: Diploma in Business Management
DI SB BUAD: Diploma in Business Administration
DI SB CISY: Diploma in Computer Information Systems
DI SB GBUS: Diploma in General Business Studies
DI SB MRKT: Diploma in Marketing Management
AS ST MATH: Associate of Science in Mathematics
BSC ST MATA: Bachelor of Science, Major in Applications of Mathematics
BSCH ST MATA: Bachelor of Science (Honours), Major in Applications of Mathematics
MNR ST MATH: Minor in Mathematics
BSC ST BIOL: Bachelor of Science, Major in Biology
BSC ST HLTH: Bachelor of Science, Major in Health Science
BSCH ST BIOL: Bachelor of Science (Honours), Major in Biology
BSCH ST HLTH: Bachelor of Science (Honours), Major in Health Science
BAS ST AGRI: Bachelor of Applied Science in Sustainable Agriculture
BHS ST PLHE: Bachelor of Horticulture Science, Major in Plant Health
DI ST SCIE: Diploma in Science
DTEC ST EPTN: Diploma of Technology in Environmental Protection
MNR ST PLHE: Minor in Plant Health

COMMITTEE REPORT

Context and Background

The Faculty of Science is replacing the MATH course subject with STAT for all statistical courses.

Key Messages

1. This action will formalize the replacement of MATH 1115, 1170, 2315, 2335 and 3315 and with STAT 1115, 1170, 2315, 2335 and 3315.
2. Requisites and program requirements that reference the above-mentioned MATH courses will now include the STAT equivalent

Consultations

1. Krista Gerlich-Fitzgerald, Associate Registrar, Records, Curriculum and Graduation
 2. Virginia Vandenberg, Program Development Specialist, Office of the Provost
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Submitted by

Allyson Rozell, Chair, Science Faculty Council

Date submitted