



FACULTY OF SCIENCE

COUNCIL OF THE FACULTY OF SCIENCE

Agenda

**Tuesday, April 11, 2017
at 3:00pm – 4:30pm, in 306 Lumbers**

1. Call to Order and Approval of Agenda
2. Chair's Remarks
3. Minutes of March 14, 2017 meeting
4. Business Arising
5. Inquiries and Communications
 - Senate Synopsis: Meeting of March 23, 2017
6. Dean's Remarks
7. Associate Deans' and Bethune Master's Remarks
8. Reports from Science Representatives on Senate Committees
9. Reports from Standing Committees of Council
 - 9.1 *Executive Committee*
 - Vacancies: 2017-18 Vacancies Report on Senate and FSc Committees (item for action)
 - 9.2 Science Curriculum Committee (items for action and consent)
10. Other Business
 - Presentation and discussion about community safety at York by Susan Seaby, Director, Policy and Programs: Community Safety Department
<http://science.yorku.ca/files/2017/04/community-safety-presentation.pdf>



FACULTY OF SCIENCE

COUNCIL OF THE FACULTY OF SCIENCE

Minutes

**Tuesday, March 14, 2017
at 3:00pm – 4:30pm, in 306 Lumbers**

Attendance: D. Golemi-Kotra, A. Mills, G. F. Audette, D. R. Hastie, R. McLaren, W. Taylor, W. A. van Wijngaarden, R. Jayawardhana, M. Xu, H. Delwar, S. Morin, V. Saridakis, E. Hamm, P. J. Szeptycki, J. Clark, P. Potvin, G. Lavoie, N. Madras (Chair), R. Tsushima, E. Hamm, E.J. Janse van Rensburg, W. P. Tholen, P. Lakin-Thomas, S. Siyakatshana (Assistant Secretary of Council)

Guests: Brad Sheeller & H. Abraham

1. Call to Order and Approval of Agenda

The Chair of Council, Dr. N. Madras called the meeting to order and the Agenda was approved as presented.

2. Chair's Remarks

There were no Chair's remarks.

3. Minutes of February 14, 2017 meeting

A motion was moved, seconded and carried to approve the Minutes.

4. Business Arising

There was no Business Arising.

5. Inquiries and Communications

Dr. E. Hamm announced the launch of the late Richard Jarrell's book, *Educating the Neglected Majority*, to be held on March 21, 2017, at 4:00pm-6:00pm, in The Paul Delaney Gallery. Council members were invited to attend.

Council noted the Senate Synopsis of February 16, 2017.

6. Dean's Remarks

Dean R. Jayawardhana informed Council that after consulting with Chairs and Director, the Faculty had submitted Science input on the Strategic Mandate Agreement-2 to the Provost's office. He commented that Chairs in turn also consulted with colleagues and their Executive Committees. The three main areas were enrolment planning, program planning and metrics to propose. He noted that based on the feedback he received from departments, our Faculty will aim to concentrate on attracting and recruiting high quality students as opposed to growing much larger. He added that Science's response suggested a renewed discussion of a possible Medical School for York University as part of long term planning.

He provided Council with an update on the major renovation of the Science and Health Refresh project. The Dean noted that the project was already underway and progressing well so far. He informed Council that the governments had finally made the public funding announcement for the infrastructure project.

Dean Jayawardhana reported that the VPRI Office in partnership with IBM Canada had made a partnership announcement that would assist in accelerating the Advanced Disaster, Emergency and Rapid Response Simulation (ADERSIM). Science was collaborating with

LA&PS. Dr. Jianhong Wu and Dr. Jane Heffernan from the Department of Mathematics & Statistics are part of the ADERSIM team.

He announced to Council that Science had since made six offers for the York Science Fellowship awards and these have now been accepted and confirmed. He was pleased to note that the selected candidates are all very impressive emerging researchers.

He announced the following upcoming events, Markham Public Library Series:

- April 13 : Your Brain in Action: Denise Henriques (Kinesiology & Health Science)
- May 11: The Beautiful Brain: How Do We See the World? Georg Zoidl (Biology/Psychology)
- June. 8: How We See in 3D - Laurie Wilcox (Psychology)

The Dean reported on the successful Honours and Awards evening. He thanked staff who contributed to the success of the event. The keynote speaker was Ian Harnarine, an award winning filmmaker and York University Physics and Astronomy alumnus. He also congratulated the following faculty members who received awards;

Excellence in Teaching Awards

- Senior Tenure Stream Faculty - Paula Wilson
- Richard Jarrell Award of Excellence for Teaching Assistants - Uzma Nadeem & David Miller

Excellence in Research Awards

- Early Career Research Award - Sapna Sharma
- Research Award - Ilijas Farah

- Excellence in Graduate Mentorship - Derek Wilson
- Dean's Special Recognition Award - Kim Maltman
- McLaughlin Research Chair Renewal - John McDermott
- Chun Peng & Demian Ifa received \$375,000 each for the CFI-JELF and ORF programs
- Armita Jalooli (4th year student, physics & pure math) won the Three Minute Thesis (3MT®), Women in Science and Engineering (WISE) National Conference
- Carol Weldon, Chemistry Department, was awarded the 2016 President's Staff Recognition award.

The Dean also noted recent media appearances by a number of Science researchers.

He concluded his remarks by announcing the following upcoming events,

- Mar 16: Science Unplugged
- Mar 18: Southern Ontario Undergraduate
- Mar 30: Science and Business Workshop
- April 1: York Region Science & Technology Fair at York

7. Associate Deans' and Bethune Master's Remarks

Associate Dean Janse van Rensburg reminded faculty wishing to retire starting January 1, 2018 to provide their nine months' notice as required by the YUFA collective agreement.

Associate Dean Morin reported on the Carswell Scholarships and the Stong Scholarships for graduate students. She stated that Science was running two

competitions this year. Competitions for next year are yet to be determined.

For the Carswell Scholarships, each unit received an award for their top candidate and the Dean's office then adjudicated the sixth award. For the Stong Scholarship each department was given an award except for Mathematics and Statistics that had no applicants. The two awards to be adjudicated went to Biology and Physics & Astronomy departments.

She reported that the Faculty of Graduate Studies has created and advertised the post-doctoral mentorship award. Nominations are due in early June. She requested faculty members to distribute this information widely.

Associate Dean Mills reported that the application activity was up for first and second choices for both domestic and international students for the 2017-18 enrolment. He thanked faculty and staff who had participated at the Open House event which was a success.

He also updated Council that the dialogue on the Markham Campus as it pertains to program development was progressing well.

Associate Dean Mills reported that the application activity was up for first and second choices for both domestic and international students. He thanked faculty and staff who had participated at the Open House event which was a success.

He also updated Council that the dialogue on the Markham Campus as it pertains to program development was progressing well. Science has articulated its plans to have 80% of the Markham first year for our Science students be modelled on the Keele Integrated Science program which is nearing the end of its first year.

8. Reports from Science Representatives on Senate Committees

There were none.

9. Reports from Standing Committees of Council

9.1 Executive Committee: Vacancies: 2017-18 Vacancies Report on Senate and FSc Committees

Council moved, seconded and carried a motion to ratify and approve the nominations as presented.

9.2 Science Curriculum Committee (consent items)

All items were approved by consent.

10. Other Business

Council had a wide ranging discussion on the co-op program. One member expressed concern that our Faculty was not aggressive enough in promoting co-ops. Another member advocated for gradual and reasoned growth of the co-op program. It was noted that Science students are being offered a growing number and variety of experiential education (EE) opportunities including internships, Mitacs placements, summer research jobs, field courses, practicums, etc.

Presentation by Kathleen Winningham, Director, YU Experience Hub, on York Internship Programs and York Science Co-op Promotion Initiatives

Kathleen's presentation focused on the YU Experience Hub, EE Common Language, Role of YU Experience Hub, Faculty-specific EE Support Role and Hub Support for Science Co-op. Click here to review the presentation, <http://science.yorku.ca/files/2017/03/Hub-Overview-Science-Faculty-Council-March-14th-2017.pptx>

Kathleen took questions from the floor. She stated that faculty members had a huge role to play in encouraging and instilling confidence in students to apply for internship and co-op opportunities. Furthermore, they provide leads for student employment.

Meeting adjourned.

N. Madras, Chair of Council

S. Siyakatshana, Assistant Secretary of Council

The Senate of York University

Meeting Synopsis

The 633rd Meeting of Senate
held on Thursday, March 23, 2017

Remarks

Senators joined the Chair of Senate, Professor Lesley Beagrie, in congratulating Provost Rhonda Lenton on her appointment as President beginning July 1, 2017. The Chair is committed to ensuring that the transition is smooth and successful. Members of the Presidential Search Committee elected by Senate were thanked for their dedication and commitment. The Chair also acknowledged the many contributions to Senate by Vice-President Finance and Administration Gary Brewer, attending his last meeting as a Senator. There was much to celebrate on Red and White Day, and a discussion of the University Academic Plan's priorities for an Enhanced Campus Experience during the meeting demonstrated that York continues to grow and thrive in significant ways.

Drawing attention to a statement issued with the Provost, York's President, Dr Mamdouh Shoukri, reiterated his conviction that intolerable expressions of hate require vigilance. He called on the community to resist any and all efforts to silence, marginalize and exclude, and to embrace values that are fundamental to society, the academy and to the University. He also commented on the following matters:

- postsecondary education aspects of the March 22 federal government budget and the expectation that additional measures await greater certainty about the overall economic outlook
- recent survey results showing that the brand campaign has improved York's reputation among parents and prospective students
- the sterling career at York of Vice-President Brewer and his efforts to ensure that financial planning was tied to Senate-approved plans and initiatives

The Statement on Incidents of Hate Graffiti can be accessed from this link

<http://president.yorku.ca/2017/03/statement-from-president-shoukri-and-provost-lenton-on-incidents-of-hate-graffiti/>

The President's March Kudos Report is accessible with other documents posted for the meeting.

In response to numerous expressions of gratitude, Vice-President Brewer spoke of his appreciation to Senators and committee members for their thoughtful input, especially with regard to aligning academic and budget planning. He will urge his successor to engage with Senators in order to benefit from their input.

Planning Reports

Under the auspices of the Academic Policy, Planning and Research Committee (APPRC), Provost Rhonda Lenton provided an update on planning for the Markham Centre campus.

The Senate of York University

Meeting Synopsis

Facilitated Discussion: University Academic Plan Priority Area 5

In the third of a series of “spotlight” discussions of priority areas in the University Academic Plan sponsored by APPRC, Vice-President Finance and Administration Brewer presented on processes and key initiatives that related to the constituent goals of priority area 5: *Enhanced Campus Experience*.

Notice of Motion: Senate Membership 2017-2018 to 2018-2019

At the first stage of a statutory motion, Senate received notice of Senate Executive’s recommendations concerning Senate membership from July 1, 2017 to June 30, 2019.

Research and Teaching Awards

Senators joined the Chair of the Awards Committee, Professor Robert Kenedy, in congratulating the following recipients of prestigious awards:

- President’s Research Excellence Award: Anne Russon, Psychology, Glendon
- President’s Emerging Research Leadership Award: Amro Zayed
- President’s University-Wide Teaching Award for Senior Full-Time Faculty Members: Andrea Davis, Humanities, Liberal Arts and Professional Studies
- President’s University-Wide Teaching Award for Full-time Faculty: Alex Czekanski, Mechanical Engineering, Lassonde
- President’s University-Wide Teaching Award for Contract and Adjunct Faculty: Véronique Tomaszewski, Sociology, Glendon
- President’s University-Wide Teaching Award for Teaching Assistant: Sabina Mirza (PhD Program in Education), Sociology and Social Science, Liberal Arts and Professional Studies

Curriculum Approvals

On recommendations made by the Academic Standards, Curriculum and Pedagogy Committee (ASCP), Senate approved the

- establishment of an Honours Minor Degree Option in Arts, Media, Performance and Design, School of Arts, Media, Performance and Design
- restructuring of the BA Program in Mathematics for Commerce, Department of Mathematics & Statistics, Faculty of Science
- establishment of a Professional Certificate in Actuarial Science, Department of Mathematics & Statistics, Faculty of Science
- addition of a Stream in Media Arts within the BFA program in Film, Department of Cinema and Media Studies, School of the Arts, Media, Performance and Design
- establishment of new Degree Options within and changes to Requirements for the BSc program in BioChemistry, Faculty of Science

The Senate of York University

Meeting Synopsis

Committee Information Items

Senate Executive reported on the following items:

- its concurrence with recommendations from the Sub-Committee on Honorary Degrees and Ceremonials resulting in the addition of six individuals to the pool of prospective honorary degree recipients
- a confidential recommendation from the *ad hoc* group considering the re-appointment or appointment of the Chancellor
- Senate committee vacancies
- the lack of impact on academic activities of the strike by Aramark employees

APPRC reported that it is nearing the conclusion of its meetings with the Deans, Principal and University Librarian and expects to report on the discussions this spring.

ASCP reported that it had approved the following minor changes to curriculum and degree requirements:

Health

- minor changes to degree requirements for BA and BSc Global Health programs
- corrections to the degree requirements for the BSc program in Psychology

Science

- minor changes to requirements for the Honours Minor BSc Biology program
- minor changes to requirements for the Specialized Honours BSc Physics program
- minor changes to requirements for the Pharmaceutical and Biological Stream within the Honours BSc program in Chemistry

APPRC and ASCP conveyed the most recent report of the Joint Sub-Committee on Quality Assurance and Final Assessment Reports along with Final Assessment Reports for recently completed Cyclical Program Reviews.

Additional Information about this Meeting

Please refer to the full Senate agenda and supplementary material posted online with the March 23, 2017 meeting for details about these items.

<http://secretariat.info.yorku.ca/senate/meeting-agendas-and-synopses/>

April Meeting of Senate

Senate's next meeting will be held at 3:00 p.m. on **Thursday, April 27, 2017.**

2017 – 18 REPORT OF VACANCIES ON SENATE AND FSc COMMITTEES

Ratification of nominations

Senate Academic Policy, Planning and Research Committee (APPRC)

William van Wijngaarden, Department of Physics & Astronomy

Senate Tenure and Promotions Review Committee

Julie Clark, Department of Biology

2017-2018 Report of Vacancies on Senate and FSc Committees

Outstanding vacancies are highlighted in red
Faculty on Sabbaticals are also highlighted in red

Committee	Rules of Faculty Council - membership	Meeting time / Membership	Term	
			From	To
Senate	According to the York University Secretariat based on the Senate Rules and Procedures governing the size and composition of Senate, the Faculty of Science shall have 9 members, including a minimum of two Chairs. According to The Rules of Council (Science), Faculty representation shall include the Director of Natural Science, three Department Chairs, and terms shall be for three years.	As per Senate website		
	Designated	R. Jayawardhana - Dean	designated	
	Member at large	EJ Janse van Rensburg - AD (Faculty)	2015	2018
	Member at large	V. Saridakis, Biology	2016	2019
	Member at large	G. Audette, Chemistry	2016	2019
	Member at large	T. Salisbury, Math & Statistics	2015	2018
	Member at large	J. Lazenby, STS	2016	2019
	Department Chair	D. Hastie (Chemistry)	2015	2018
	Department Chair	P. Szeptycki (Math & Statistics)	2016	2019
	Department Chair	M. McCall (Physics & Astronomy)	2015	2018
	Undergraduate Student (Biomedical Science)	Vacant	2017	2018
	Undergraduate Student (Biomedical Science)	Vacant	2017	2018
	Director of NATS	J. Clark	designated	
FSc Reps on Senate Committees				
Senate Executive	1 member from FSc	M. McCall, Chair, Phys & Astronomy	2016	2019
Academic Policy, Planning and Research Committee (APPRC)	1 member from FSc	William van Wijngaarden	2017	2020
Sub-Committee on Honorary Degrees & Ceremonials	1 member from FSc	Vacant	2017	2020
Executive Committee	The <u>Executive Committee</u> shall be chaired by the Chair of Council and include the Vice-Chair of Council, the Secretary of Council, and one member elected from each of Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy, and Science and Technology Studies/Natural Science, the Dean of the Faculty of Science (<i>ex officio</i>), one student member of Council, and one of the staff members elected to Council.	The Executive Committee will normally meet the first Tuesday of each month (September to May) from 1:30 pm - 3:00 pm in LUM 305B		
	Chair	D. Golemi-Kotra	2017	2018
	Vice-Chair	Vacant (becomes chair in 2018)	2017	2018
	Dean	R. Jayawardhana		
	Asst. Dean - SEM & SEP	A. Mun-Shimoda		
	Staff Representative	Vacant	2017	2018
	Undergraduate Student Representative	Vacant	2017	2018
	Biology	V. Saridakis	2015	2018
	Chemistry	Vacant	2017	2020
	Math & Stats	Vacant	2017	2018
	Physics & Astronomy	Vacant	2017	2018
	STS	E. Hamm	2016	2019

APPC	The <u>Academic Policy and Planning Committee</u> shall include the Dean or designate (<i>ex officio</i>), the Master of Norman Bethune College and one member elected from each of Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy, and Science and Technology Studies/Natural Science, one student member of Council, and one of the staff members elected to Council.	APPC will normally meet the last Thursday of each month (September to April) from 9:00 am - 10:30 am			
	Associate Dean, Faculty	E. J. vanRensburg			
	Master of Bethune College	J. Amanatides			
	Undergraduate Student Rep	Vacant	2017	2018	
	Staff Representative	Vacant	2017	2018	
	Biology	D. Golemi-Kotra	2016	2019	
	Chemistry	M. Yousaf	2016	2019	
	Math & Stats	P. Szeptycki	2016	2019	
	Physics & Astronomy	R. Lewis	2016	2019	
	STS	V. Pavri	2016	2019	
Curriculum Committee	The <u>Curriculum Committee</u> shall include the Dean (<i>ex officio</i>) and an Associate Dean (<i>ex officio</i>), the Chair or nominee from each teaching Division or Department, the Chair or nominee of the Department of Geography, three faculty members elected by Council and two student members of Council.	The Curriculum Committee will normally meet every last Tuesday of each month (September to April) from 1:30 pm - 3:00 pm			
	Member at Large	J. Kreller-Vanderkooy	2016	2019	
	Member at Large	J. Clark, NATS	2016	2019	
	Member at Large	N. Nivilac, Biology	2016	2019	
	Dean	R. Jayawardhana			
	Associate Dean, Students	A. Mills			
	Undergraduate Student Rep (two vacancies)	Vacant	2017	2018	
	Undergraduate Student Rep (two vacancies)	Vacant	2017	2018	
	Biology	P. Lakin-Thomas	2016	2019	
	Chemistry	P. Potvin	2016	2019	
	Fu, Y. Cindy on vacation Jul 1-17-Jun 30-18(position is sha	Math & Stats	Vacant (Fall); M. Chen (Winter)	2017	2018
		Physics & Astronomy	A. Kumarakrishnan	2016	2019
		STS	J. Lazenby	2015	2018
		Geography	R. Bello	2016	2019
CEAS	The <u>Committee on Examinations and Academic Standards</u> shall consist of an Associate Dean (<i>ex officio</i>), five members elected by Council from each of Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy and Science and Technology Studies/Natural Science, and one student member of Council.	CEAS will normally meet every alternate Wed / Thurs from 1:00 - 3:00 pm year round.			
	In addition to the above membership of the committee, Council shall elect an alternate member from each of the Departments specified above. The alternate member shall be the person polling the next highest number of votes to those elected to the committee from each Department. The alternate for the student member will be selected by the Science Student Caucus from one of its Members at Large. An alternate can only vote in the event that first elected members are not in attendance.				
	Associate Dean, Students	A. Mills			
	Undergraduate Student Representatives (2 including alternate)	Vacant/ALT. member	2017	2018	
	Biology	Y. Sheng / K. Hudak	2016	2019	
	Chemistry	G. Audette / ALT. Vacant	2015/2017	2018/2020	
	Math & Stats	A. Wu / J. Grigull	2015	2018	

	Physics & Astronomy	C. Story/ALT. M. Horbatsch	2016	2019
	STS	Vacant / J. Lazenby	2017/15	2020/18
Petitions	The <u>Petitions Committee</u> shall consist of an Associate Dean (<i>ex officio</i>), six members of Council, and two student members of Council. A quorum shall consist of either (a) three faculty members and one student member or (b) four faculty members.	The Petition's Committee has two panels. Each panel meets once a month either on Tuesday from 2:30 pm - 4:00 pm or Thursday from 11:00 am - 1:00 pm		
	Associate Dean	A. Mills, designated		
	Undergraduate Student Rep	Vacant	2017	2018
	Undergraduate Student Rep	Vacant	2017	2018
	Member at Large	N. Nivilac	2016	2019
	Biology	Vacant	2017	2020
	Chemistry	R. Fournier	2016	2019
	Physics & Astronomy	S. Tulin	2015	2018
	Math & Stats	A. Wong	2015	2018
D. Lungu on sabbatical from Jul 1, 2017 to Jun 30, 2018	STS	Vacant	2017	2018
Senate Tenure and Promotions Review Committee	The <u>Committee on Tenure and Promotions</u> shall consist of one currently tenured member from each of Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy and Science and Technology Studies/Natural Science elected by Council, and one student member of Council. No member of the Committee shall be a member of another Tenure and Promotions Committee at any time during their tenure on this committee.	SRC T & P Committee will normally meet the last Friday of each month (September to March) from 9:00 am - 11:00 am in LUM 305B		
	In addition to the above membership of the committee, Council shall elect an alternate member from each of the Units mandated above. The alternate member shall be the person polling the next highest number of votes to those elected to the committee from each Department. The alternate for the student member shall be selected by the Science Student Caucus from one of its Members-at-Large on an annual basis. An alternate can only vote in the event that existing members are			
	Associate Dean, Faculty	E. J. vanRensburg		
	Undergraduate Student Rep	Vacant	2017	2018
	Biology	Julie Clark/Alt. Vacant	2017	2020
	Chemistry	A. Orellana / ALT - P. Potvin	2016	2019
	Physics & Astronomy	N. Bartel / Vacant	2015/17	2018/20
	Math & Stats	G. Monette / ALT - S. Watson	2016	2019
D. Lungu on sabbatical from Jul 1, 2017 to Jun 30, 2018	STS	Vacant / ALT - Vacant	2017/17	2018/20
CoTL	Currently, the Committee on Teaching and Learning shall consist of a minimum of two Faculty members from each department, the Associate Dean – Students, one Librarian, one staff member, one undergraduate student, and two graduate students, in addition to other members invited as provided for by the Rules. Graduate students and staff nominees will indicate their interest in serving on the committee in writing to the committee, who will then approve by majority vote.	CoTL normally meets every third Thursday of each month (September to May) from 1:00 pm - 2:30 pm		
	Associate Dean, Students	A. Mills		
	Graduate Student Rep	Vacant	2017	2018
	Graduate Student Rep	Vacant	2017	2018
	Undergraduate Student Rep	Vacant	2017	2018
	Steacie Librarian	G. Jon		
	IT Rep	D. Keramidias		

	Teaching Commons Rep	Y. Su		
	Staff Representative	Vacant	2017	2018
	Biology	T. Kelly	2017	2020
	Biology	Vacant	2017	2020
	Biology	Vacant	2017	2020
	Chemistry	D. Jackson	2016	2017
	Chemistry	J. Chen	2015	2018
	Physics & Astronomy	A. Muzzin	2016	2018
	Physics & Astronomy	W.vanWijngaarden	2016	2018
	Math & Stats	W. Liu	2015	2018
	Math & Stats	A. Chow	2017	2020
on sabbatical from Jul 1, 2017 to Jun 30, 2018	STS	Vacant	2017	2019
	STS	V. Pavri	2015	2018
Research & Awards	The Committee on Research and Awards shall consist of one member elected by Council from each of Biology, Chemistry, Mathematics and Statistics, Science and Technology Studies/Natural Science, and Physics and Astronomy, one student member of Council and an Associate Dean (<i>ex officio</i>) who will serve as the Chair.	The Research & Awards Committee will meet when grants and awards need to be adjudicated.		
	Associate Dean - Research & Graduate education	S. Morin		
	Undergraduate Student Rep	Vacant	2017	2018
	Biology	Raymond Kwong	2017	2020
	Chemistry	P. Johnson (Vice-Chair)	2016	2019
	Physics & Astronomy	W. van Wijngaarden (Chair)	2016	2019
	Math & Stats	I. Farah	2016	2019
	STS	R. Metcalfe	2016	2019
Appeals	The Appeals Committee for the purpose of hearing student appeals shall consist of four elected faculty members from Science units, an Associate Dean (<i>ex officio</i>) and two student members of Council. A quorum shall consist of either (a) two faculty members and one student member or (b) three faculty members.	Meeting is held once a month and times are polled by the Committee Secretary.		
	Associate Dean - Research & Graduate Education	S. Morin		
	Undergraduate Student Rep	Vacant	2017	2018
	Biology (Member at Large)	J.P. Paluzzi	2016	2019
	Biology	Vacant	2017	2020
	Chemistry	Vacant	2017	2020
	Physics & Astronomy	M. Johnson	2015	2018
	Math & Stats	A. Pietrowski	2015	2018
	STS	R. Metcalfe	2015	2018

York University

COUNCIL OF THE FACULTY OF SCIENCE

Report of the Science Curriculum Committee

March 2017

The Faculty of Science Curriculum Committee has reviewed proposals for changes to course information and degree requirements and recommends to the Executive Committee that the following changes be submitted to Council for approval.

Details regarding these proposals (and regarding other minor changes to Calendar/Repository course descriptions and prerequisites which were approved by the Committee but are not reported here) are included in the working papers of March 28, 2017, meeting of the Curriculum Committee, which are on file for your inspection in the Office of the Dean, with all members of the Curriculum Committee or by contacting the Secretary of the Committee at jpearson@yorku.ca

Course Changes

1. Change in calendar description: SC/CHEM 1000 3.0 "Chemical Structure"
2. Minor change to calendar copy (*item for action*)
3. Change in calendar description: SC/BC 3020 3.0 "The Role of Peer Leaders in Sexual Violence Prevention"

Changes to Existing Course

Faculty:

Department:

Chemistry

Date of Submission:

Mar 1, 2017

Course Number:

1000 3.00

Effective Session:

Sept 2017

Course Title:

Chemical Structure

Type of Change:

<input type="checkbox"/>	in pre-requisite(s)/co-requisite(s)	<input type="checkbox"/>	in cross-listing
<input type="checkbox"/>	in course number/level	<input type="checkbox"/>	in degree credit exclusion(s)
<input type="checkbox"/>	in credit value	<input type="checkbox"/>	regularize course (from Special Topics)
<input type="checkbox"/>	in title (max. 40 characters for short title)	<input type="checkbox"/>	in course format/mode of delivery *
<input checked="" type="checkbox"/>	in Calendar description (max. 40 words or 200 characters)	<input type="checkbox"/>	retire/expire course
<input type="checkbox"/>	other (please specify):	<input type="checkbox"/>	

Change From:

To:

SC/CHEM 1000 3.00 Chemical Structure

Introduction to chemistry with emphasis on physical and electronic structure of matter, including gases, liquids and solids. Topics include behaviour of gases; thermochemistry; atomic structure and periodic table; chemical bonding and architecture; structure of liquids and solids; frontiers of chemistry. Two and one-half lecture hours per week, one tutorial hour per week, six three-hour laboratory sessions. One term. Three credits.
Prerequisites: OAC chemistry, 12U chemistry or SC/CHEM 1500 4.00 or equivalent. Course credit exclusions: SC/CHEM 1000 6.00, SC/CHEM 1010 6.00.

SC/CHEM 1000 3.00 Chemical Structure

Introduction to chemistry with emphasis on physical and electronic structure of matter, including gases, liquids and solids. Topics include behaviour of gases; thermochemistry; atomic structure and periodic table; chemical bonding and architecture; structure of liquids and solids; frontiers of chemistry. Two and one-half lecture hours per week, one tutorial hour per week, six three-hour laboratory sessions. One term. Three credits.
Prerequisites: OAC chemistry, 12U chemistry or SC/CHEM 1500 4.00 or equivalent. Course credit exclusions: **SC/CHEM 1100 3.0**, SC/CHEM 1000 6.00, SC/CHEM 1010 6.00.

Rationale:

The description for CHEM 1100 4.0 (a course intended for Engineering) currently lists CHEM 1000 3.0 as a cce though they do not exempt BEng candidates from CHEM 1100 4.0. While we accept CHEM 1100 4.00 as suitable preparation for CHEM 1001 3.0, its current description does not reflect this in any way. This change will disallow students having passed CHEM 1100 4.0 from also getting academic credit in CHEM 1000 3.0.

Program Proposal

1. Program: **NA**
 2. Degree Designation: **NA**
 3. Type of Modification: (Example: changes to program requirements)
 - **Removal of statement from calendar**
 4. Effective Date: **as soon as possible**
-

5. Provide a general description of the proposed changes to the program.

I would like to place a motion to the Curriculum Committee that the following be removed from the Calendar:

**"All tests in a given section of a course must be given during the class or tutorial times listed in the lecture schedule for that section of the course."
The only exception is the scheduling of common tests administered to multiple-section courses; in such cases students with a conflict must be given reasonable accommodation."**

6. Provide the rationale for the proposed changes.

As course enrolments have increased the number of empty seats in a lecture hall has considerably decreased and in some courses are non-existent. This means that the ability to execute assessments (e.g. midterms) with an empty seat in between students has become increasingly difficult if not impossible. In order to execute an assessment in this manner, which is necessary to further reduce potential breaches of academic honesty, additional room(s) must be requested. The ability to attain additional rooms during the week, and at the same time the course is currently scheduled, is becoming increasingly difficult and in some cases impossible. NATS has had a number of requests this year returned with no availability indicated. Room availability is higher on the weekend.

Weekend bookings are also a benefit to students as they occur in a less anxiety-ridden environment as there are no room bookings on either side of the assessment to worry about. This situation eliminates the stress associated with the rush into the room (as the previous class is leaving), the rush to get exams handed out in a manner which reduces the opportunity for academic dishonesty issues, and the rush out of the room as the next class is trying to get in (sometimes for an assessment of their own).

Finally, weekend bookings also permit the extra time required to execute assessments which contain an additional pedagogically sound component, such as a group portion,

which enhances student learning. These two-stage (group) assessments in many cases are not possible during the week as the additional time, and thus rooms, to run them is just not available.

Reasonable accommodation is provided to those students who have a conflict on the weekend.

7. Provide an updated mapping of the program requirements to the program learning outcomes to illustrate how the proposed requirements will support the achievement of program learning objectives. If changes to the admission requirements are being proposed, comment on the appropriateness of the revised requirements to the achievement of the program learning outcomes. **NA**
8. If relevant, summarize the consultation undertaken with relevant academic units, including commentary on the impact of the proposed changes on other programs. Provide individual statements from the relevant program(s) confirming consultation and their support. **NA**
9. Describe any resource implications and how they are being addressed (e.g., through a reallocation of existing resources). If new/additional resources are required, provide a statement from the relevant Dean(s)/Principal confirming resources will be in place to implement the changes. **This will increase access to room resources.**
10. Provide as an appendix a side-by-side comparison of the existing and proposed program requirements as they will appear in the Undergraduate or Graduate Calendar.

Regulations Governing Examinations and Academic Standards

Term Work

Change From:

All final grades, including those assigned after deferred examinations, are calculated in a way which assigns a specific weighting to the term work done in addition to the final (or deferred) examination. The weighting is set by the course director and must be announced and available in writing within the first two weeks of classes. If possible, information about assignments, marking schemes and evaluation should be made known to students at or before the first class meeting. A previously announced marking scheme for a course may be changed by the course director with the consent of students enrolled in the course; the new marking scheme must also be distributed in written form.

Prior to the final date to withdraw from a course without receiving a grade, graded feedback worth at least 15 per cent of the final grade for fall, winter or summer term and 30 per cent for 'full year' courses offered in the fall/winter session must be received by students in all courses (excepting the following: those senior undergraduate courses, such as honours theses, where course work consists of a single piece of work, practicum courses, ungraded courses, courses in Faculties where the drop date occurs within the first three weeks of classes, courses which run on a compressed schedule).

Students who, in the absence of recognized extenuating circumstances, fail to complete such course work cannot use the lack of feedback as grounds for withdrawal.

No examinations or tests collectively worth more than 20 per cent of the final grade in a course will be given during the final 14 calendar days of classes in a term. The exceptions to the rule are classes which regularly meet Friday evenings or on Saturday and/or Sunday at any time, and courses offered on a compressed schedule.

All tests in a given section of a course must be given during the class or tutorial times listed in the lecture schedule for that section of the course. The only exception is the scheduling of common tests administered to multiple-section courses; in such cases students with a conflict must be given reasonable accommodation.

Term work in any course may not be submitted later than the first day of the final examination period for the course. Earlier final dates for the submission of term work may be set at the discretion of the department/division concerned.

The student is responsible for ensuring that all written term work is received by the instructor concerned.

Change To:

All final grades, including those assigned after deferred examinations, are calculated in a way which assigns a specific weighting to the term work done in addition to the final (or deferred) examination. The weighting is set by the course director and must be announced and available in writing within the first two weeks of classes. If possible, information about assignments, marking schemes and evaluation should be made known to students at or before the first class meeting. A previously announced marking scheme for a course may be changed by the course director with the consent of students enrolled in the course; the new marking scheme must also be distributed in written form.

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Changes to Existing Course

Faculty:

Department:

Date of Submission:

Course Number:

Effective Session:

Course Title:

Type of Change:

in pre-requisite(s)/co-requisite(s)

in cross-listing

in course number/level

in degree credit exclusion(s)

in credit value

regularize course (from Special Topics)

in title (max. 40 characters for short title)

in course format/mode of delivery *

in Calendar description (max. 40 words or 200 characters)

retire/expire course

other (please specify):

Change From:

To:

This course allows students to develop their peer leadership skills with a focus on creating safer communities and healthier environments. The major project focuses on experiential education, with students completing a violence prevention project to engage with their peers beyond the course. Through this course, students will develop their skills as leaders in the community and help to make our campus safer for all. Note: this course does not count for Science Credits Prerequisite: SC/ BC 3010 3.00 or Permission of the Instructor.

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The course evaluation will be pass/fail only.
Prerequisite: BC 3010 3.00 or Permission of the Instructor.

Rationale:

Although the original proposal of this course indicated that this course would not count for science credits a few challenges have presented themselves which necessitates this change:

1. The note regarding science credits has resource implications that were not originally identified when this course was first proposed and should have been clarified before the course was approved. There is no precedent to not allow a Faculty of Science Bachelor of Science (BSc) student to earn science credit for a SC course and the current Student Information System that York uses does not have the functionality to not have an SC course earn science credit for a Faculty of Science BSc student. All courses offered by the Faculty of Science will automatically earn a BSc student science credit..
2. There is no precedent for the Faculty of Science to offer a non-science course. Non-science courses are offered by other Faculties (i.e. LAPS, Glendon) and not the Faculty of Science. The original curricular submission for this course did not indicate that there had been any consultation with other Faculties.

The York Student Information System does have the functionality to allow the pass/fail option. By utilizing this option the grade in the course will not contribute to a Science GPA which may address the concerns originally raised when the note to have this course not count for science credits was added to the course description.

Note: For course proposals involving cross-listings, integrations and degree credit exclusions, approval from all of the relevant Faculties/department is required.

Note: Since one change (such as a change in year level or credit value) may result in several other changes (e.g., to the course description, evaluation, instruction, bibliography, etc.), please submit as many details as possible. If there are several changes, please feel free to use a New Course Proposal Form in order to ensure that all the required information is included.

* Note: If there is a technology component to the course, a statement is required from ATS indicating whether resources are adequate to support the course. Courses converted from face-to-face to an on-line delivery mode should follow the instructions provided on page 4 of the New Course Proposal Form to provide revised 'Course Design' and 'Method of Instruction' information.