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COUNCIL OF THE FACULTY OF SCIENCE

Notice of Meeting

Tuesday, 8 September 2015
3:00pm – 4:30pm
306 Lumbers

Agenda

1. Call to Order and Approval of Agenda

2. Chair's Remarks

3. Approval of Minutes from May 12, 2015 meeting

4. Business Arising

5. Dean's Report to Council

6. Associate Deans' and Bethune Master's Remarks

7. Reports from Science Representatives on Senate Committees

8. Reports from Standing Committees of Council

   - **Executive Committee**
     - Executive Committee`s Vacancies Report on Senate and FSc Committees (item for action)
   - **Appeals Committee Report** (item for information)
   - **Research and Awards Committee report** (item for information)

9. Inquiries and Communications

   9.1 Senate Synopsis

   - 616th meeting of Senate: May 28, 2015
   - 617th meeting of Senate: June 25, 2015

10. Other Business

    - Admission Requirements to the Honours Science major
    - Nomination to the Community Safety Council: Patricia Lakin-Thomas

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FACULTY OF SCIENCE

COUNCIL OF THE FACULTY OF SCIENCE

Tuesday, May 12, 2015
at 3:00pm – 4:30pm
306 Lumbers

Attendance: L. T. Ber, C. Peter, T, Da Sylva, P. Dehghani, J. Elwick, D. Golemi-Kotra, M. Hamadeh, G. A. Monette, D. Hossain, J. Kreller-Vanderkooy, K. M. Kroker, G. G. Lavoie, I. Raguimov, R. McLaren, A. Mills, J. Steprans, W. J. Taylor, R. Tsushima, D. J. Wilson, N. Balaskas, E. Hamm, D. Hastie, V. Tsoukanova, S. Siyakatshana (Assistant Secretary)

Minutes

1. **Call to Order and Approval of Agenda**

   The Chair of Council, Dr. Alex Mills called the meeting to order and the Agenda was adopted as presented.

2. **Chair's Remarks**

   The Chair of Council noted that this was the last Council meeting for 2015.

3. **Minutes of April 14, 2015 meeting**

Minutes of April 14, 2015, were approved.

4. **Business Arising**

There was no Business Arising from the Minutes.

5. **Dean's Report to Council**

Dean Jayawardhana reported to Council on the recent 50th Anniversary Gala. He noted there were over 160 attendees. Guests included the President, Vice-President and Provost, past Deans and their spouses and some of our donors and alumni. Prominent journalist Piya Chattopadhyay, (TVO and CBC) served as the Master of Ceremonies. Long serving faculty and staff were recognized. The Dean expressed his thanks and appreciation to Helen McLellan and her team for planning and executing such an elegant event.

He also reported on the highly successful Science@50 public event, titled Dispatches from the Frontiers of Science, held on May 6 at the Toronto Reference Library's Appel Salon, featuring five York Science faculty members along with CBC's Anna Maria Tremonti and author Leonard Mlodinow. The event attracted a capacity audience of 700. He noted that the event was part of the Faculty's efforts to raise our visibility and engage broadly.

The Dean congratulated two recipients of the Academic Innovation Fund grant – Associate Dean Peter Cribb, who is spearheading the development of an Integrated Science program for first-year students and Professor Paula Wilson, who is deploying an early alert program for students in first-year biology courses.

He updated Council on the academic searches as follows;

Dr. Yang Shen had accepted a faculty offer in the actuarial mathematics area in the Department of Mathematics & Statistics.

Dr. Helene Mialet had accepted the offer to join the Department of Science and Technology Studies.

An offer had been made for the Biology CLA position.

Interviews were underway for the Alternate Stream faculty position in the Department of Physics and Astronomy.

Dean Jayawardhana reported that recently the President and the Vice-President and Provost had dinner with Chairs and Directors.

Jane Heffernan and Derek Wilson participated in the Science Leadership Program at the University of Toronto.

Houman Tahmasebi, 4th year Biology student received a Robert J. Tiffin Student Leadership Award, for his wide-ranging contributions to the University, the Faculty of Science and the Department of Biology, while maintaining academic excellence.

The Science and Engagement team are putting together the SciX and Helix summer programs for primary and high school students.

The Dean updated Council on the Faculty budget. He noted that the Faculty performed better than forecast in the past fiscal year: the 2014-15 projected in-year deficit was ~1.5 million and the actual in-year deficit was ~0.5 million.

We had a reasonable amount of domestic FFTE growth, especially in the Winter 2015. We also had strong growth in international enrolments. As for the domestic numbers, we were below target but still above that of the previous year. He added that prudent fiscal management also contributed to the improved budget situation.

The challenge of the accumulated budget deficit (of ~3.1 million) remains. The Faculty is expected to balance the in-year budget in the coming two years. He stated that we are also required to absorb 3% and 2.5% ATB cuts for the next two years. He noted that the biggest concern was the undergraduate enrolments and domestic graduate students for the 2015-16 academic year. He noted that our Faculty could not afford to have a reduction in enrolments. Graduate student enrolment is also critical for York to remain a research-intensive, comprehensive institution. Concerted efforts are being made to improve the conversion process.

The Dean stated that four Canada Research Chair searches had been approved and these searches will start soon in the summer.

Lastly, Dean Jayawardhana asked Council to be mindful of the fact that the enrolment numbers are low. He also stated that the cost of maintaining and operating major research equipment was a challenge. Some of the warranties were expiring and these costs are not covered through revenue to a substantial extent. Discussions were underway regarding contingencies to the budget plan.

5. Associate Deans' and Bethune Master's Remarks

Associate Dean Cribb thanked faculty and staff who participated at the Science open house and scholars' reception. He noted that these events were successful. He also announced that the second scholars' reception would be held that night.

He informed Council that the admission picture was not looking good as the applications pool was down by about 10%. Extra efforts were being made to improve enrolment including cutting the enrolment average by 1%. He was however hopeful that we might hold steady in the end. He appealed to all faculty members to volunteer and call those outstanding applicants who had not yet accepted their offers. He added that numbers of offers were the same as last year at that time. The quality of the reduced applicant pool had been quite good and offers are holding steady compared to last year. Council had a brief discussion on this report.

Associate Dean Janse van Rensburg reminded Faculty that the internal deadline for the CUPE Conversions submission was May 13th. Faculty members going on Sabbaticals starting July 1st were also reminded to submit their sabbatical plans before they leave. Faculty who just returned from sabbaticals was also expected to submit their sabbatical plans if they had not already done so prior to their leave. Furthermore, sabbatical reports were to be filed by the November 1st on the year that they return.

Associate Dean Tsushima also noted that our graduate enrolment numbers were below target set by FGS.

He stated that there had been a delay on the NSERC Discovery Grants renewals results. Associate Dean Tsushima informed Council that the recent Science Rendezvous was a success. The only challenge they had was getting enough volunteers to assist with the event.

He stated that our Faculty was also partnering with the Faculty of Health to host the York Region Science Fair as early as March 26 next year at York campus. There will be need for assistance from faculty, students and staff who can participate as judges at this event.

Acting Master, M. Hamadeh reported that Bethune College held the following successful events; Meeting with the Professor, two days of breakfast for the students, 4th Eastern Canada Annual Supplementary Session Retreat day.

He announced that on May 26th they will hold an Alumni/Students meeting. He asked faculty to encourage their students to attend. Calumet, Bethune and Stong Colleges had also submitted a proposal for events that will take place during the PAN AM Games.

6. **Reports from Science Representatives on Senate Committees**

There were no reports.

7. **Reports *from Standing Committees of Council***

Executive Committee: 2015-2016 Vacancies Report on Senate and FSc Committees

A motion was moved, seconded and carried to elect Donald Hastie, Janse van Rensburg, Tom Salisbury to Senate and Neal Madras to Vice-Chair of Council including ratifying the rest of other nominations to the Standing Committees of Council.

Curriculum Committee (consent agenda item)

The Consent Agenda item was deemed approved by Council.

8. **Inquiries and Communications**

Council noted the Senate Synopsis of the 615 meeting held on April 23, 2015.

9. **Any Other Business**

Chair of Council updated Council that he had set up a Task Force to undertake a review and to propose changes in the Faculty of Science current anomalous grades policy (and final grade approval process) and report back to Council by September 2015. He noted that the draft proposal had been circulated and was being reviewed by units. He encouraged faculty members to review the draft document.

A. Mills, Chair of Council

A. Mun-Shimoda, Secretary of Council

S. Siyakatshana, Assistant Secretary of Council

2015 - 2016 Executive Committee Report of Vacancies on Senate and FSc Committees

FOR ACTION

The Executive Committee moves the following nominations. Additional nominations may be made from the floor of Council under Rule 25.

1. 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.

Senate Representatives – *continuing elected members*

Member	Department	Start Term	End Term
R. Jayawardhana	Office of the Dean		Designated
D. Golemi-Kotra	Chemistry	2013	2016
L. Packer	Biology	2014	2017
T. Salisbury	Mathematics & Statistics	2015	2018
Don Hastie	Chemistry	2015	2018
P. Delaney	Natural Science/STS(Director)		Designated
M. McCall	Physics & Astronomy (Chair)	2015	2018
J. Steprans	Mathematics & Statistics (Chair)	2013	2016
E.J. Janse van Rensburg	Office of the Dean	2015	2018
S. Benchimol	Biology (Chair)	2013	2016
VACANT	Student Representative	2015	2016
VACANT	Student Representative	2015	2016

Current FSC Representatives on Senate Committees:

L. Donaldson – Academic Policy, Planning and Research Committee (APPRC, 2014-2016)
P. Delaney – Senate Executive (must be a Senate Representative) 2013-2016
M. Organ – Honourary Degrees and Ceremonials (2013-2016)

2015 - 2016 Executive Committee Report of Vacancies on Senate and FSc Committees

Chair & Vice-Chair of Council *(effective July 1st)*

Member	Department	Start Term	End Term
V. Tsoukanova, Chair	Chemistry	2015	2016
N. Madras, Vice-Chair (to be Chair in 2016-17)	Maths & Stats	2015	2016

2. TERMS OF OFFICE FOR COMMITTEES

Rule 25. The following shall be the Standing Committees whose duties shall be defined by the Council from time to time. *Ex officio* members shall be non-voting. Chairs or their designates are departmental representatives on some Council committees such as the Science Curriculum Committee. In such cases, Chairs or their designates are not considered *ex officio*. Standing committees will report on at least a yearly basis to Council.

Rule 33. Faculty members of Standing Committees shall serve for terms of three years and in each year one-third of the membership of each Standing Committee shall retire and be replaced by election from slates of names presented by the Executive Committee, possibly augmented by names from the floor. Student members of the Standing Committees shall serve for terms of one year but may be re-elected in subsequent years.

3. FSc 2015-16 COMMITTEE MEMBERSHIP AND TERMS OF REFERENCE

Executive Committee *(effective July 1st)*

Rule 34. a) The Executive Committee 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 (*ex officio*), one student member of Council, and one of the staff members elected to Council.

The Executive Committee shall normally approve agendas prior to Council meetings and the processes by which matters of importance to the development of the Faculty will arrive on that agenda.

The Committee will seek candidates to serve on Council and its sub committees when vacancies occur. Additional nominations may be made from the floor at Council. The results of the nominations shall be effective the following July 1st, except for the Committee on Examinations and Academic Standards and the Petitions Committee, which shall have their membership changed effective October 1st.

2015 - 2016 Executive Committee Report of Vacancies on Senate and FSc Committees

Member	Department	Start Term	End Term
V. Saridakis	Biology	2015	2018
Robert McLaren	Chemistry	2015	2018
P. Gibson (*G. Monette)	Mathematics & Stats	2014	2017
*S. Jerzak (W. Taylor)	Physics & Astronomy	2013	2016
E. Hamm	Natural Science/STS	2013	2016
R. Jayawardhana	Dean, ex officio		Designated
V.Tsoukanova	Chair of Council	2015	2016
N. Madras	Vice-Chair of Council	2015	2016
A. Mun-Shimoda	Secretary of Council		Designated
M. Caplan	Staff Member elected to Council	2015	2016
VACANT	Student Representative of Council	2015	2016

Chair: V. Tsoukanova
Secretary: S. Siyakatshana
**G. Monette* on Sabbatical *from July 1, 2015 – Dec 31, 2015*
**S. Jerzak on Sabbatical from Jan. 1, 2016 – June 30, 2016*

Academic Policy and Planning Committee *(effective July 1st)*

b) The Academic Policy and Planning Committee shall include the Dean or designate (*ex officio*), 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.

The Academic Policy and Planning Committee examines, formulates, and reviews long-term and short-term academic planning as well as comprehensive policies for the Faculty, including degree and non-degree credit studies.

Member	Department	Start Term	End Term
S. Benchimol	Biology	2013	2016
R. Fournier	Chemistry	2013	2016
J. Steprans	Mathematics & Statistics	2013	2016
P. Delaney	Natural Science/STS	2013	2016
E.Hessels	Physics & Astronomy	2014	2017
J. Amanatides	Master of Bethune College		Designated
R. Jayawardhana	Dean(ex officio)		Designated
VACANT	Staff Member elected to Council	2015	2016
VACANT	Student Representative of Council	2015	2016

Chair:
Secretary: S. Siyakatshana

2015 - 2016 Executive Committee Report of Vacancies on Senate and FSc Committees

Science Curriculum Committee – *Continuing Elected Members:*

c) The Curriculum Committee shall include the Dean and an Associate Dean (ex officio), the Chair or nominee from each teaching Division or Department, three members elected by Council and two student members of Council.

In discharging its functions, the Committee shall:

(i) Review annually a summary of the notice of intentions filed by units in the Faculty of Science;
(ii) Receive curricular submissions from departments and divisions for review, and recommendation to Council for approval or other appropriate action, concerning new course proposals, changes to existing courses, changes to program requirements and new programs;
(iii) Forward proposals to Senate as appropriate;
(iv) Encourage the development of innovative inter-disciplinary programs;
(v) Collaborate with the Committee on Examinations and Academic Standards and the Committee on Teaching and Learning on issues of joint concern.

Member	Department	Start Term	End Term
D. Bazley	Biology	2014	2017
J. Kreller-Vanderkooy	Physical Sciences Librarian	2014	2017
VACANT	Member at Large	2015	2018
Other Members:			
Paula Wilson	Biology	2013	2016
P. Potvin	Chemistry	2013	2016
M. Haslam	Math & Statistics	2014	2017
R. Bello	Geography	2013	2016
J. Lazenby	STS	2013	2016
C. Storry	Physics & Astronomy	2013	2016
R. Jayawardhana	Dean, Ex officio		Designated
P. Cribb	Associate Dean, Ex officio		Designated
VACANT	Student Representative of Council	2015	2016
VACANT	Student Representative of Council	2015	2016

Chair: Peter Cribb

Convener: Peter Cribb

Secretary: J. Pearson

2015 - 2016 Executive Committee Report of Vacancies on Senate and FSc Committees

Committee on Examinations and Academic Standards *(effective Oct. 1st), Alternate member to be elected for each Unit*

d) The Committee on Examinations and Academic Standards shall consist of an Associate Dean (*ex officio*), 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.

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.

Member	Alternate	Department	Start Term	End Term
E. Rosanina	J. P. Paluzzi	Biology	2014	2016
G. F. Audette	Jochen Rudolph	Chemistry	2015	2018
A. Wu	J. Grigull	Mathematics & Statistics	2015	2018
B. Quine	N. Bartel	Physics & Astronomy	2014	2017/2018
J. Lazenby	P. Delaney	STS	2015	2016
P. Cribb	n/a	Associate Dean, ex officio		Designated
VACANT	VACANT	Student Representative of Council	2015	2016

Chairs: G. Audette
Secretary: John Pearson
**N. Purzitsky is on Sabbatical from July 1, 2015 – June 30, 2016*

Petitions Committee - *Continuing Elected Member (effective Oct. 1st)*

e) The Petitions Committee shall consist of an Associate Dean (*ex officio*), 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.

Member	Department	Start Term	End Term
P. Wilson	Biology	2014	2017
M. Scheider	Biology	2014	2017
D. Lungu	Natural Science/STS	2013	2016
A. Wong	Mathematics & Statistics	2015	2016
M. Hempstead	Chemistry	2013	2016
A. Quine	Physics & Astronomy	2014	2016
P. Cribb	Associate Dean, ex officio		Designated
VACANT	Student Representative of Council	2015	2016
VACANT	Student Representative of Council	2015	2016

Co-Chairs: M. Hemstead & P. Wilson
Secretary: Delisile Dlamini

2015 - 2016 Executive Committee Report of Vacancies on Senate and FSc Committees

Appeals Committee

f) The Appeals Committee for the purpose of hearing student appeals shall consist of four elected faculty members from Science units, an Associate Dean (*ex officio*) 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.

Member	Department	Start Term	End Term
E. Hessels (Winter)	Physics & Astronomy	2013	2016
D. Ifa	Chemistry	2013	2016
D. Bazely	Biology		
R. Metcalfe	STS	2015	2018
A. Pietrowski	Mathematics & Statistics	2015	2016
S. Morin	Associate Dean, ex officio		Designated
VACANT	Student Representative of Council	2015	2016
VACANT	Student Representative of Council	2015	2016

Chair: S. Morin

Secretary: John Pearson

Committee on Tenure and Promotions - *elected tenured member, Alternate member to be elected for each Unit*

g) The Committee on Tenure and Promotions 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.

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 not in attendance.

2015 - 2016 Executive Committee Report of Vacancies on Senate and FSc Committees

Member	Alternate	Department	Start Term	End Term
K. Schneider (*M. Bayfield)	G. Zoidl	Biology	2014	2017
D. Golemi-Kotra	P.G. Potvin	Chemistry	2013	2016
A. Chan	M. W. Wong	Mathematics & Statistics	2013	2016
E. Jones-Imhotep	None	Natural Science/STS	2013	2016
T. Kirchner	P. Hall	Physics & Astronomy	2014/2013	2017/2016
VACANT	VACANT	Student Representative of Council	2015	2016

Chair: E. J. Janse Van Rensburg
Secretary: J. Sequeira
**M. Bayfield is on Sabbatical from July 1, 2015 – June 30, 2016*

Committee on Research and Awards - *elected by Council*

h) 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 (*ex officio*) who will serve as the Chair.

It is the mandate of the Committee to make recommendations and provide advice to Council on policy matters related to research. In addition, the Committee's functions and responsibilities include:

(i) To adjudicate the following faculty competitions/programs:
- Junior Faculty Fund
- Minor Research Grant
- Specific Research Grants (leave and non-leave)

(ii) To adjudicate NSERC's Undergraduate Student Research Awards.
(iii) To provide advice to the Dean and individual departments on faculty research-related awards, particularly prestigious awards.
(iv) To inform all units of their responsibilities to comply with the Senate's ethics-related policies
(v) To liaise with the Science Librarians on matters related to Library collections and services

Member	Department	Start Term	End Term
A. Stutchbury	Biology	2014	2017
V. Tsoukanova	Chemistry	2013	2016
Y. Gao	Mathematics & Statistics	2013	2016
C. Bergevin	Physics & Astronomy	2013	2016
R. Metcalfe	Natural Science /STS	2013	2016
S. Morin	Associate Dean, ex officio		Designated
VACANT	Student Representative of Council	2015	2016

Chair: S. Morin

Committee on Teaching and Learning

i) 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.

It is the mandate of the Committee on Teaching and Learning to enhance the quality of the student learning experience by providing leadership in promoting and recognizing educational excellence in science and fostering a rich and vibrant teaching and learning community.

Member	Department	Start Term	End Term
C. Bucking	Biology	2014	2017
T. Kelly	Biology	2014	2017
D. Bazely	Biology	2014	2017
D. Jackson	Chemistry	2013	2016
J. Chen	Chemistry	2015	2018
S. Tulin	Physics & Astronomy	2015	2018
C. Bergevin	Physics & Astronomy	2014	2017
X. Gao	Mathematics & Statistics	2014	2017
A. Wong	Mathematics & Statistics	2015	2018
D. Lungu	Natural Science/STS	2014	2017
V. Pavri	Natural Science/STS	2015	2018
I.K. Maimets (Librarian)	Stacie Science & Engineering Library		Designated
P. Cribb	Associate Dean, ex officio		Designated
L. Grant	Teaching Staff Representative	2015	2016
Y. Su	Teaching Commons Representative	2015	2016
D. Keramidas	Information Technology Representative		Designated
VACANT	Undergraduate Student Representative	2015	2016
A. Terrana	Graduate Student	2015	2016
VACANT	Graduate Student	2015	2016

Chair: Vacant

Secretary:S.Siyakatshana

4. **CHAIRSHIP OF COMMITTEES**

Except where the Rules of the Council specifically provide, all Committees of the Council select their own Chair. The Chair normally holds office for a one-year period, commencing from the date on which the committee memberships change. (See Rule 27)

Report to Council, September 2015

Appeals Committee

2014/15 - September 1, 2014 - August 31, 2015

To drop		To Add		Deferred standing		Grade reappraisal		Exemption from deadline to submit a petition		3rd attempt		Continue without interruption		Extension to deferred standing		Reinstate dropped courses		Grade of Record		Take additinoal credits		Waive degree requirements		Pass/Fail		Course Overload		TOTAL		
Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	**Grant**	**Deny**	
19	18	0	0	12	0	2	0	33	5	0	0	2	3	7	0	0	0	0	1	2	0	2	2	0	0	3	0	**82**	**29**	111

2013/14 - September 1, 2013 - August 31, 2014

To drop		To Add		Deferred standing		Grade reappraisal		Exemption from deadline to submit a petition		3rd attempt		Continue without interruption		Extension to deferred standing		Reinstate dropped courses		Grade of Record		Take additinoal credits		Waive degree requirements		Pass/Fail		TOTAL		
Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	**Grant**	**Deny**	
24	18	2	0	9	1	0	0	43	13	0	0	3	3	2	0	1	0	0	0	2	0	0	1	1	0	**87**	**36**	**123**

2012/13 - September 1, 2012 - August 31, 2013

To drop		To Add		Deferred standing		Grade reappraisal		Exemption from deadline to submit a petition		3rd attempt		Continue without interruption		Extension to deferred standing		Reinstate dropped courses		Grade of Record		Take additinoal credits		TOTAL		
Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	**Grant**	**Deny**	
27	43	2	0	11	2	0	0	59	11	1	0	2	0	7	0	1	0	2	0	**2**	**1**	**114**	**57**	**171**

2011/12 - September 1, 2011 - August 31, 2012

To drop		To Add		Deferred standing		Grade reappraisal		Exemption from deadline to submit a petition		3rd attempt		Continue without interruption		Extension to deferred standing		Reinstate dropped courses		Grade of Record		Take additinoal credits		TOTAL		
Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	**Grant**	**Deny**	
16	48			6	3		1	30	15	1		1	2	4		1			1	**2**		**61**	**70**	**131**

2010/11 - September 1, 2010 - August 31, 2011

To drop		To Add		Deferred standing		Grade reappraisal		Exemption from deadline to submit a petition		3rd attempt		Continue without interruption		Extension to deferred standing		Reinstate dropped courses		Grade of Record		TOTAL		
Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	Grant	Deny	**Grant**	**Deny**	
19	43	3	3	10	4	2	1	6	6	2	2		1	3		1		4		**50**	**60**	**110**

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Council of the Faculty of Science
Report of the Research and Awards Committee
2014-2015

The Research and Awards (R&A) committee membership comprised of Profs. Bridget Stutchbury (Biology), Jennifer Chen and Valeria Tsoukanova (Chemistry), Yun Gao (Mathematics and Statistics), Christopher Bergevin (Physics and Astronomy), Robin Metcalfe (Science and Technology Studies), and Ms. Basilhea Woodley (student representative).

1. The R&A committee adjudicated applications for the Junior Faculty Fund (JFF) and Minor Research Grant (MRG). Eight JFF applications totaling $11,941 in funding support, and 11 MRG applications totaling $35,000 were awarded.

2. York University received 41 NSERC Undergraduate Summer Research Awards (USRA). The R&A committee reviewed 51 USRA applications from the Faculty of Science. Final student rankings were based on a combination of the students' academic grade point averages and departmental rankings. Awards were provided to 18 Science students (9 Biology, 3 Chemistry, 3 Math & Stats, 3 Physics & Astronomy). In remaining NSERC USRAs were awarded to 12 students from the Faculty of Health and 11 Lassonde students.

3. The R&A committee reviewed and adjudicated applications for the Faculty of Science Early Career Research Award, Established Research Award and Graduate Mentorship Award. Awards were provided to Profs. Amro Zayed, Scott Menary and Gerald Audette.

The Senate of York University

Synopsis

The 616th Meeting of Senate held on Thursday, May 28, 2015

Remarks

The Chair of Senate, Professor Roxanne Mykitiuk, encouraged Senators to participate in Spring Convocation ceremonies and to invite colleagues to join in the celebration of the University's graduates. Commenting on a meeting of Senate committee chairs, she conveyed the participants' strong, positive feelings about York's future, and their pride in collegial governance.

The President, Dr Mamdouh Shoukri, addressed a number of important developments with special emphasis on the provincial government's selection of York – alone among nineteen competitive bids -- for a new campus. This demonstrated Queens Park's confidence in the University with its potential to enhance the social, economic, environmental and cultural fabric of Markham and York Region while serving a growing population. Consultations will be wide and thorough as the process leading to a final plan unfolds, and Senate's input will be especially valuable.

The University continues to seek assurances from the Ministry of Training, Colleges and Universities that any changes in the funding formula resulting from a review headed by Susan Herbert will neither harm nor hamstring universities. York has fallen back somewhat in certain international university rankings, but continues to be recognized for its strengths. Together these phenomena reinforce the need to renew the tenure-stream in the cause of excellence in research and teaching.

Reports

The Senators on the Board of Governors, Professor Angelo Belcastro and Professor David Leyton-Brown, presented a synopsis of the Board's meeting of April 27, 2015.

Approvals

On recommendations made by the Academic Standards, Curriculum and Pedagogy Committee Senate approved the establishment of:

- a Senate Policy and Guidelines on Advance Credit Programs for Ontario Secondary School Students
- an Advanced Credit Program in Music, Department of Music, School of the Arts, Media, Performance & Design

Notice of Statutory Motion re Senate Membership

The Executive Committee submitted notice of its intention to recommend a statutory motion setting the membership of Senate for the period July 1, 2015 to June 30, 2017.

The Senate of York University

Synopsis

Facilitated Discussion on the Grading Scheme

Under the auspices of the Academic Standards, Curriculum and Pedagogy Committee, Registrar Don Hunt facilitated a discussion of proposed changes to undergraduate and graduate grade scales such that course results would be expressed in standardized letters, percentages and the "numerical" or 4-point system commonly utilized by other North American universities.

Nominations and Elections

Senate acclaimed members of a number of Senate committees and authorized an e-vote to elect one of the two Senators on the Board of Governors as well as a member of the Appeals Committee.

Committee Information Reports

Senate Executive reported that it had approved the membership of Professor Craig Heron (History) as the Liberal Arts and Professional Studies member of the Committee, and also informed Senate about the following:

- the addition of 5 individuals to the pool of prospective honorary degree recipients based on recommendations from the Sub-Committee on Honorary Degrees and Ceremonials
- proposed changes to the convocation ceremony to be more inclusive of Indigenous peoples.
- postponement until the autumn of the annual gathering with members of the Board Executive Committee
- an updated work plan for the Equity Sub-Committee as it reviews the Senate *Policy on Accommodations for Students with Disabilities*

Senators joined the Chair of the Awards Committee in celebrating the recipients of 2015 University Professorships: Richard Hornsey, Lassonde School of Engineering; Suzanne Macdonald, Faculty of Health; and Adrian Shubert, Faculty of Liberal Arts and Professional Studies.

Academic Policy, Planning and Research presented an overview of discussions with the Deans, Principal and University Librarian." It also advised Senate of major milestones and timelines leading to the approval of a new University Academic Plan in February 2016, reported on its consultation with the Chair of the Task Force on Sustainability Research, and announced that Professor Rebecca Pillai Riddell will serve a second term as Chair

Academic Standards, Curriculum and Pedogogy advised that it had approved minor modifications to degree requirements for the MSc and PhD programs in Biology and a change in the name of the LLM program's Specialization in Alternative Dispute Resolution to Dispute Resolution.

The Senate of York University

Synopsis

In a joint report, APPRC and ASCP conveyed the May 2015 report of the Sub-Committee on Quality Assurance which included Final Assessment Reports for recently completed Cyclical Program Reviews.

For information on these items please refer to the full Senate agenda posted online.

University Secretariat: extension 55310

Senate's 617th meeting is scheduled for 3:00 p.m.
on Thursday, June 24, 2015
in the Senate Chamber, Ross Building, Keele Campus

The Senate of York University

Synopsis

The 617th Meeting of Senate held on Thursday, June 25, 2015

Remarks

The Chair of Senate, Professor Roxanne Mykitiuk, thanked Senators, committee chairs and members, and the staff of the University Secretariat for their support during her now-concluding tenure as Chair. Commenting on the recent round of inspiring and often moving Convocation ceremonies, she encouraged Senators and colleagues to participate in the celebration of York graduates in future convocation ceremonies.

The President, Dr Mamdouh Shoukri, saluted the outgoing and incoming Chairs of Senate and addressed a number of significant developments including the following:

- impressive successes achieved by York researchers in recent funding competitions
- stirring Convocation ceremonies at one of which the graduation of Devon McPherson proved to be especially evocative of the University's embrace of diversity and its accommodative spirit
- community consultations on the draft Institutional Integrated Resource Plan
- opportunities associated with the Markham Centre campus, not least the chance to design for environmental sustainability
- the prioritization of academic activities when the next major fundraising campaign launches in 2016
- enrolment and funding challenges facing the postsecondary system as a whole

Reports

The Senators on the Board of Governors, Professor Angelo Belcastro and Professor David Leyton-Brown, presented a synopsis of the Board's meeting of June 22, 2015.

Professor George Tourlakis, Academic Colleague to the Council of Ontario Universities, presented the most recent COU Issues Update.

Under the auspices of the Academic Policy, Planning and Research Committee, Provost Lenton and Vice-President Finance and Administration Gary Brewer presented their spring report on the budget context for academic planning and major planning initiatives.

[All of these reports are housed with and may be accessed from the June meeting agenda pages on the Senate Website.]

Approvals

On a recommendation from the Executive Committee, Senate approved a statutory motion establishing Senate's total membership and distribution of seats from July 1, 2015 to June 30, 2017.

The Senate of York University

Synopsis

Senate approved recommendations of the Academic Policy, Planning and Research Committee to change the name of the Department of Film in the School of the Arts, Media, Performance and Design to the Department of Cinema and Media Arts, and to charter, for a period of five years beginning July 1, 2015, the following Organized Research Units:

Centre for Refugees Studies (CRS)
Centre for Research in Mass Spectrometry (CRMS)
Centre for Research on Biomolecular Interactions (CRBI)
Centre for Research on Earth and Space Science (CRESS)
Centre for Research on Latin America and the Caribbean (CERLAC)
Centre for Vision Research (CVR)
Institute for Social Research (ISR)
Robarts Centre for Canadian Studies (Robarts)
York Centre for Asian Research (YCAR)

Nominations and Elections

Senate acclaimed members of the Tenure and Promotions and Tenure and Promotions Appeals committees, and was advised of remaining vacancies.

Notice of Statutory Motion re Senate Membership

Academic Standards, Curriculum and Pedagogy submitted notice of its intention to recommend approval of a new degree type bearing the title of Masters of Leadership and Community Engagement or MLCE. The Committee will also recommend approval of a program by that name to be offered by the Faculty of Education / Faculty of Graduate Studies.

Committee Information Reports

Senate Executive reported that it had approved the membership on the Executive Committee of Professor Lisa Philips, who was nominated by the Osgoode Hall Faculty Council for a three-year term beginning July 1, 2015. It also provided information on the following matters:

- the election of Professor Bernard Lightman as one of Senate's two nominees on the Board of Governors and Professor Natalie Coulter to membership on the Appeals Committee as the result of an e-ballot
- the spring meeting of Senate committee Chairs and Secretaries and progress made by committees on the priorities they established in the autumn
- affirmation that Summer Authority is vested in the Executive until the first regular meeting of Senate in September
- a consolidated report on actions taken by Senate in 2014-2015
- Senate Attendance from September 2014 to May 2015
- annual surveys of Senators and Senate committee members

The Senate of York University

Synopsis

Senators joined the Awards Committee in applauding the following recipients of prestigious awards for graduating students:

> *Governor-General's Gold Medals*: Sarah Anne Olwen D'Amour (Graduate Program in Psychology) and Dr David Moffette (Graduate Program in Sociology)
>
> *Governor-General's Silver Medals:* Ali Helmi, Faculty of Health, BSc, Special Honours, Kinesiology & Health Science (Health & Kinesiology), *Summa cum Laude;* Nick Zabara, Faculty of Liberal Arts and Professional Studies, BA, Honours, Double Major, Professional Writing (Institutional Communications Stream) & Psychology, *Summa cum Laude; and* Julien Cossette, Faculty of Liberal Arts and Professional Studies, BA Special Honours, Anthropology, *Summa cum Laude*
>
> *Murray G. Ross Award:* Atifa Karim, BES Honors, Environemtnal Studies (Environment and Culture) / Minor in Georgraphy and BEd, Intermediate and Senior, *Summa cum Laude*

The Awards Committee also transmitted a report on graduate awards disbursement for 2013-2014.

The Senate Appeals Committee (SAC) reported that it had authorized the rescindment of a degree granted in 2010 after the conferee admitted to falsifying documents which facilitated admission to the University and advanced standing credit.

Academic Policy, Planning and Research transmitted a copy of the draft Institutional Integrated Resource Plan and its chair reminded Senators of an open forum on the document scheduled for Thursday, September 17, 2015. The Committee also conveyed the annual reports of externally-mandated sub-committees that report to Senate through APPRC, commented on the status of ORU applications that did not proceed to the recommendation stage, and shared details on research successes provided by Vice-President Haché while reminding Senators that one of the key priority areas of the University Academic Plan 2010-2015 involves research intensification. A major focus for APPRC in 2015-2016 will be renewal of the UAP in a process that will engage Senate and the community before culminating in February 2016.

Academic Standards, Curriculum and Pedagogy updated Senate on legislative proposals under consideration:

- proposed Senate policies on *Withdrawn from Course (W)* and *Course Relief* O
- possible amendments to the Options for Repeating Passed or Failed Courses for Credit

ASCP also conveyed the outcomes of Quality Council decisions regarding new programs approved by Senate, all of which were positive.

Proposal

Admission Requirements to the Honours Science major

Background

The Science major has existed in the Faculty of Science for many years. Its intention is to provide an avenue for students to customise their degree program rather than to meet the requirements as set out by a disciplinary major.

Currently students may change their program to the Science major after completion of at least 24 credits. In consultation with an advisor (currently the Associate Dean Students) they are required to present a written rationale for their proposed program along with a set of courses that match their expressed objectives. Those objectives should not shadow a disciplinary major except for the omission of some small set of courses. Generally the expectation is that students have genuine multi-disciplinary interests in science, often expressed through some theme of study.

Proposal

With the initiation of the AIF funded First year Integrated Science project we are seeking a way of admitting students who have demonstrated strong and broad multi-disciplinary interests in science. The First Year Integrated Science project

> "... approaches teaching from an interdisciplinary stance combining knowledge from basic science disciplines in a cohesive manner. The approach essentially models how science happens – through questioning and integrating concepts across the disciplines. It challenges the idea often held by students that science is something to be memorized. Boundaries between disciplines are broken down by a pedagogy that includes team teaching by faculty from different disciplines, problem-based and reflective learning exercises driven by interdisciplinary issues, immediate application of foundational concepts in one discipline (e.g. mathematics) to problem solving in another, and so on. "

In other words the Integrated Science first year is not a new program, but rather a different way of teaching foundational science. Students are required to take the equivalent of first year biology, chemistry, physics and mathematics (calculus and proof-based thinking) through an integrated approach. Following first year, students who have taken the Integrated Science path will be expected to either create a customised study plan in order to remain in the Honours Science major, or to choose a disciplinary major where their future studies are defined by the major.

To admit students to this Integrated Science first year we propose to allow first year admission to the Honours Science major, as opposed to the current admission path after completion of at least 24 credits.

The specific admission requirements we propose reflect the broad engagement with science that admitted students are expected to demonstrate.

The Faculty of Science also has first year admission to the Undecided major. This is not an appropriate admission vehicle for the Integrated Science first year since students should not be undecided. Students admitted to the Integrated Science first year should be committed to in-depth study of science from a multi-disciplinary perspective. The proposed admission requirements specified below reflect this and are considerably more demanding than admission requirements to the Undecided major.

Admission Requirements

Completion of the following grade 12 (4U) courses:

1. ENG4U English
2. MHF4U Advanced Functions
3. MCV4U Calculus and Vectors
4. Two of SCH4U Chemistry, SPH4U Physics, and SBI4U Biology*
5. If the student presents two 4U science courses then the third must have been passed at the 3U level
6. A supplementary application completed via a web-based form

The average required for admission will be computed over 6 4U courses comprised of the 5 specified above plus another with the highest mark. *Note: if three 4U science courses are presented the two with highest grades will be included in the five courses specified above. The third 4U science course will be used as the 6^{th} course for the average only if it is the highest grade amongst other 4U and 4M courses taken.

The supplementary application will allow prospective students to highlight their broad engagement with science, their plans for their future, and to explain any issues they may have had such as repeated courses. The intention is to allow us to make admit decisions with more confidence that the student will thrive in this new pedagogical approach. As we gain experience with the approach over the next few years the need for a supplementary application will be reviewed.

Admission Decisions

We will review the applications, including the supplemental application, and make conditional admission decisions on a time frame consistent with other institutions that require a supplementary application. For example, admission decisions to the McMaster iSc program are made in early May (see https://www.science.mcmaster.ca/isci/prospective-students/supplementary-application).