SoCS Council Meeting

Feb 21, 2017

AGENDA

1. Approval of Agenda
2. Approval of Minutes from Feb 7, 2017
3. Interim Director's Remarks — Pascal
4. Graduate Curriculum Committee — Yang
5. Undergraduate Curriculum Committee — Dave
6. Strategic Planning Committee — Dan
7. Any other business

AGENDA

1. Approval of Agenda
2. Approval of Minutes from Feb 7, 2017
3. Interim Director's Remarks — Pascal
4. Enrolment F17 — Pascal
5. Graduate Curriculum Committee — Yang
6. Undergraduate Curriculum Committee — Dave
7. Strategic Planning Committee — Dan
8. Any other business

3. INTERIM DIRECTOR'S REMARKS

3. INTERIM DIRECTOR'S REMARKS: Away

- ☐ I will be away Feb 28 – Mar 3
- ☐ Michael will be the Deputy Interim Director
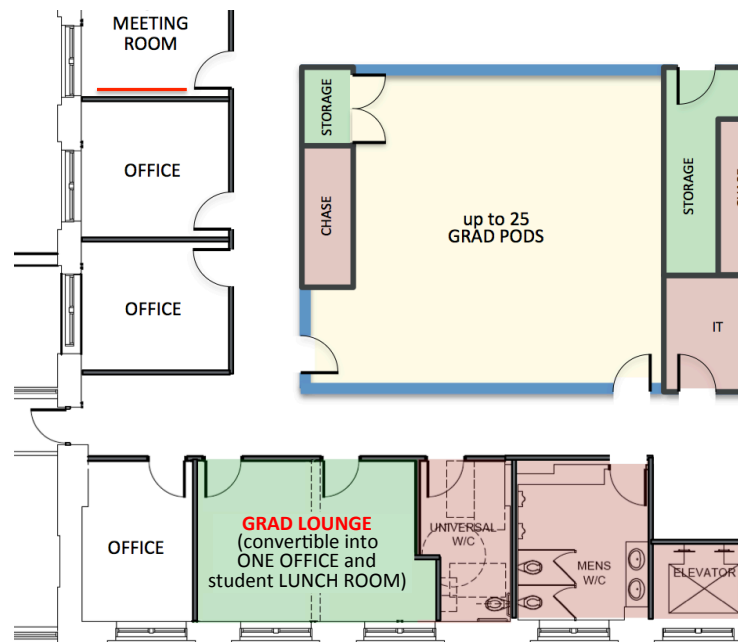
Second Floor

Ground Floor

Ground Floor (corridor)

CUPE 3913
labour union for teaching assistants and sessional lecturers

HISTORY
☐ Management & CUPE 3913 in contract negotiations
☐ Parties unable to reach an agreement
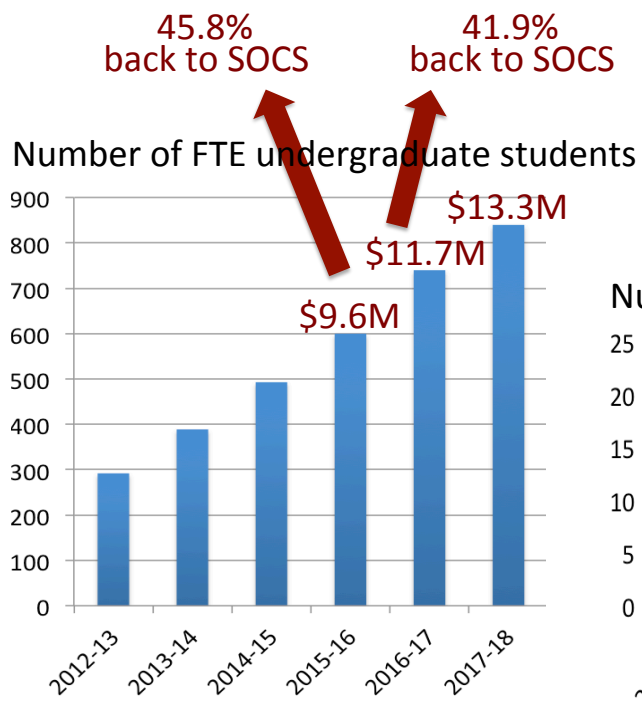☐ Lockout / strike could occur as of Mon Feb 27

DO NOT
☐ put pressure on TAs or SLs to complete work before strike deadline
☐ penalize any TA or SL for exercising their rights
☐ perform the duties of striking workers
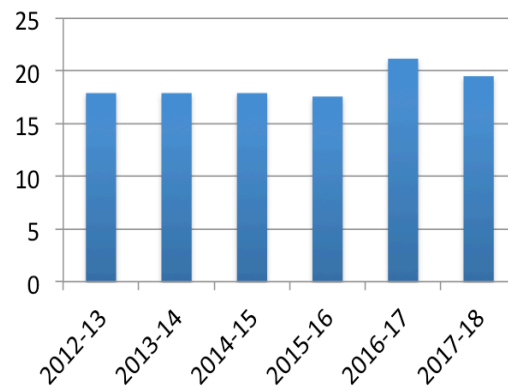☐ expect them to perform their own work during the strike

DO
☐ ensure all student work is accessible on campus
☐ perform your duties as scheduled (classes, meetings, etc)
☐ respect the efforts of CUPE 3913 to secure a collective agreement
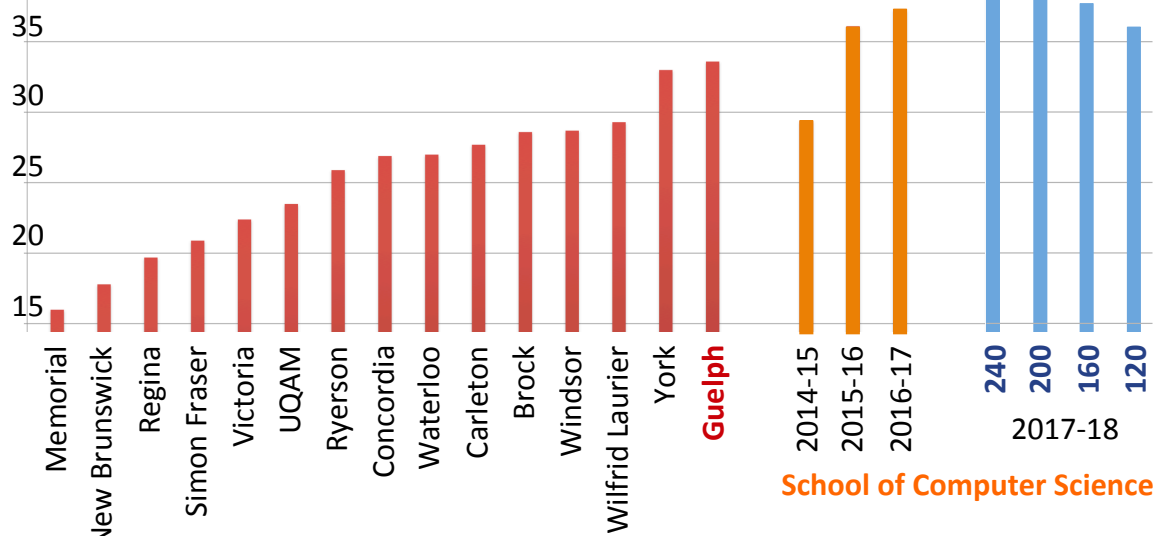
4. ENROLMENT F17

45.8%
back to SOCS

41.9%
back to SOCS

Number of FTE undergraduate students

$13.3M

$11.7M

$9.6M

900	
800	
700	
600	
500	
400	
300	
200	
100	
0	

2012-13 2013-14 2014-15 2015-16 2016-17 2017-18

Number of FTE faculty

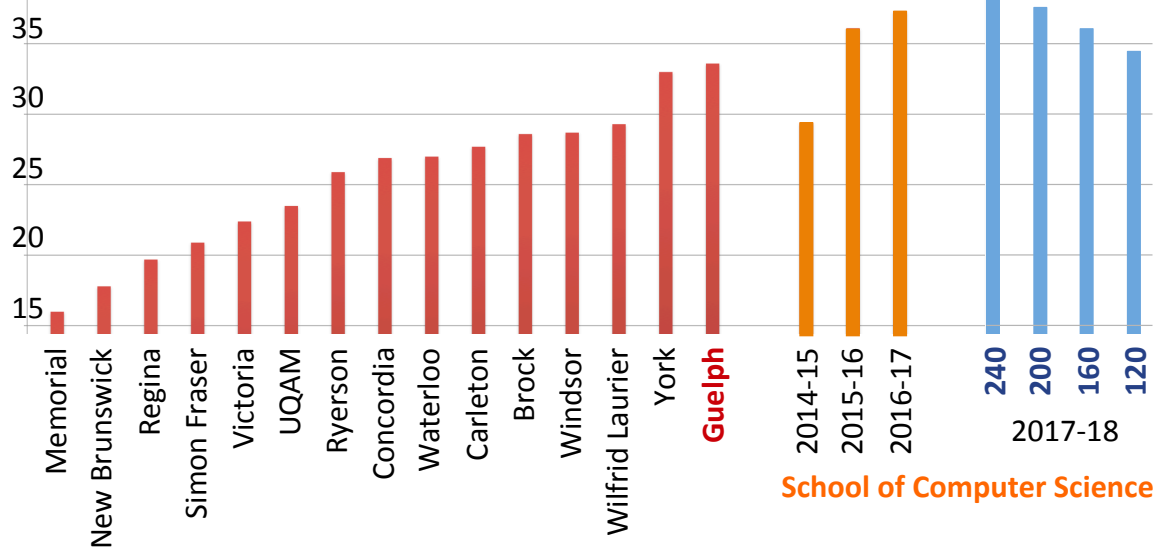|	
25	
20	
15	
10	
5	
0	

2012-13 2013-14 2014-15 2015-16 2016-17 2017-18
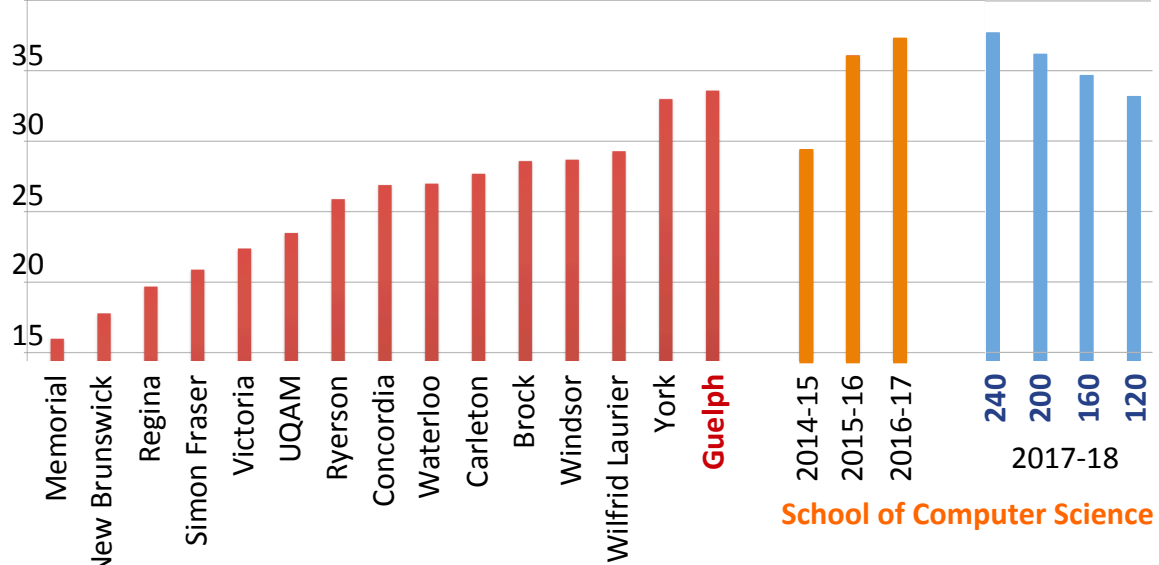
student/faculty ratio

hiring 0 tenure-track faculty

student/faculty ratio

hiring 1 tenure-track faculty

student/faculty ratio

hiring 2 tenure-track faculty

student/faculty ratio
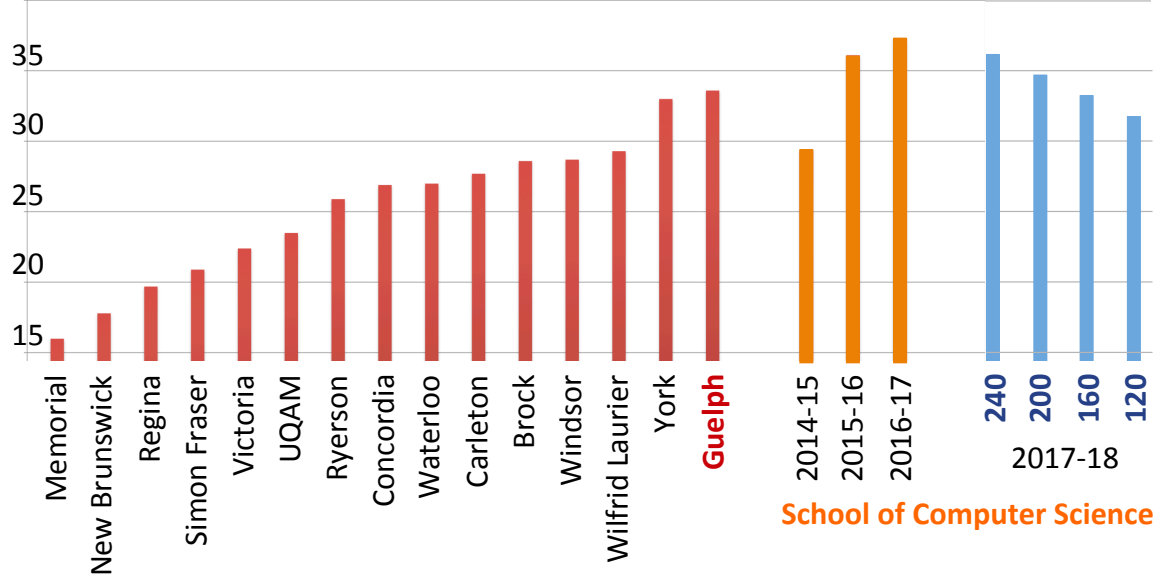
hiring 3 tenure-track faculty

From: Kim McCaughan
To: Mark Torcoletti
Sent: Wed, Feb 15, 4:26pm

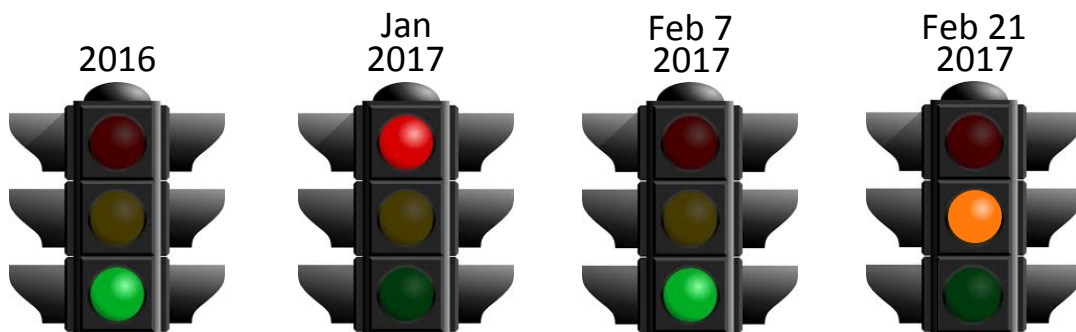Please see the attached approval to advertise for the position in SOCS funded through the incremental growth.

From: Kim McCaughan
To: Mark Torcoletti
Sent: Thu, Feb 16, 10:53am

We are revoking the approval on this hire.
On hold indefinitely at this point in time.

Extending the Interim Director's appointment?

2016	Jan 2017	Feb 7 2017	Feb 21 2017

5. GRADUATE CURRICULUM COMMITTEE

Report by Grad Curr Cmt
Feb 21, 2017

1. MSc Learning Outcomes
   a) SoCS has a document on PhD Learning Outcomes, but does not have one on MSc Learning Outcomes.
   b) To comply with IQAP in response to SCQA, a document on MSc Learning Outcomes has been drafted.
2. Grade-average for PhD admission
   ❑ Whether current B-average requirement needs to be raised?

1

Draft on MSc Learning Outcomes

- The draft document distributed on Feb. 9, 2017.
  ❑ Based on University template
    1) *Critical and Creative Thinking*
    2) *Literacy*
    3) *Global Understanding*
    4) *Communicating*
    5) *Professional and Ethical Behaviour*
  ❑ Drafted by revising the PhD document as needed
- Minor revision based on faculty comment

2

Grade-Average for PhD Admission

- SoCS PhD admission requirement on grade-average
- Grading system in Graduate Calendar
- Considerations in favor of raising the requirement
  1) The interdisciplinary nature of SoCS PhD is arguably more challenging than a traditional PhD.
  2) Intended 3-year completion is shorter than traditional CS PhD, even though no required courses.
  3) Interdisciplinary challenge and shorter completion time demand stronger students. Will students of 70% average from MSc be able to complete in 3 years?

3

UofG Graduate Calendar

Percentage Grade	Letter Grade	Description
90-100	A+	**Outstanding.** The student demonstrated a mastery of the course material at a level of perfomance exceeding that of most scholarship students and warranting consideration for a graduation award.
80-89	A- to A	**Very Good to Excellent.** The student demonstrated a very good understanding of the material at a level of performance warranting scholarship consideration.
70-79	B	**Acceptable to Good.** The student demonstrated an adequate to good understanding of the course material at a level of performance sufficient to complete the program of study.
65-69	C	**Minimally Acceptable.** The student demonstrated an understanding of the material sufficient to pass the course but at a level of performance lower than expected from continuing graduate students.
0-64	F	An inadequate performance.

Negative Impact of Raising Requirement

1. May push away potential applicants who are strong otherwise except a B-average.
2. SoCS requirement needs to take into account requirements in related PhD programs.
   a) School of Engineering: "a minimum B average"
   b) Math/Stat: "with high academic standing"
   c) Waterloo CS: "Minimum requirements: 78"
   d) U of T CS: "at least a UofT B+" (B+: 77–79%)
3. Raising to the next bar will make SoCS requirement the most demanding.

5

Committee Recommendation

- Recommendations
  1. Leave the calendar description as is.
  2. Graduate Admission Committee may ask co-advisers to provide additional supporting information for students with less than 80% grade-average.
  3. Amend PHD.CSCI Regulation on Admission Requirements to add the 2nd statement.
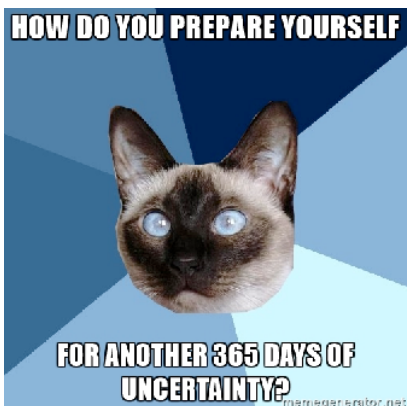
6

6. UNDERGRADUATE CURRICULUM COMMITTEE

Completed

- Removing the ISHB program.
- Proposal for Summer academic semester.

Uncertainty

- Will we introduce a Summer academic semester to support growth in the Co-op program?

Items the Committee has Agreed to Bring to the School

- New 1500 for B.Comp. majors and other computing intensive students.
- Fixing the ordering of CIS*3750 and CIS*3760.
- Move CIS*2460 Modelling of Computer Systems to third year and making STAT*2040 required.
- Removing the prerequisite of CIS*2030 Structures and Application of Microcomputers from CIS*3120 Digital Systems.

Items the Curriculum Committee Will Consider

- Examine low enrolment courses to determine if they should be deleted or repurposed (CIS*2130 in the Summer, CIS*4780, CIS*4410, CIS*3000).
- Determine if it is appropriate that CIS*3110 Operating Systems I be the only prerequisite for CIS*4110 Computer Security.
- Discussing with the SOE the difficulties with their students not taking CIS*2030 Structures and Application of Microcomputers before CIS*3110 Operating Systems I and CIS*3090 Parallel Programming.

More Items to Consider

- Reorganizing semesters 3 and 4 for both majors.

Fall	Winter
CIS*1500 CIS*1910 MATH*1200	CIS*2500 CIS*2910
CIS*2030 CIS*2430 CIS*2520	CIS*2750 CIS*3110 CIS*3490
CIS*3150 CIS*3750 STAT*2040 or CIS*2460	CIS*3760
	CIS*4650

CS Major - Current Sequence

Fall	Winter
CIS*1500 CIS*1910 MATH*1200	CIS*2500 CIS*2910
CIS*2520 **CIS*2750**	**CIS*2030** **CIS*2430** CIS*3490
CIS*3110 CIS*3750 STAT*2040	CIS*3760
CIS*3150	CIS*4650

CS Major - Proposed Sequence

- Schedules show the new timing for CIS*1910/ CIS*2910. The proposed schedule has the planned CIS*2040/CIS*2460 change.

Additional Paperwork

- Moving CIS*1910 and CIS*2910 to semesters one and two respectively.
- Correcting a typo in the CIS*1910 description (Boolean, algebra).

Future Plans - Summer 2017

- Review the 3rd and 4th year courses with the intention of introducing new topics, refurbishing exiting courses, or replacing courses. Consider introducing topics such as Mobile Computing, Cloud Technology, Data Science, Systems Programming.
- Review the SENG major curriculum.
- Discuss the possibility of limiting SENG enrolment.
- Have a public discussion on methods to effectively deal with large class sizes.