

# Undergraduate Committee Agenda for the November 2018 Meeting.

This will be an evolving document at least until the date of the meeting. Suggestions/comments to [ugchair@math.toronto.edu](mailto:ugchair@math.toronto.edu).

The (nearly-) latest version is always at [http://drorbn.net/uc/UG\\_Committee\\_Agenda\\_1811.pdf](http://drorbn.net/uc/UG_Committee_Agenda_1811.pdf). This version: 2018-11-30 12:34 PM.

## Our Previous Meeting

A quick summary is at the end of this doc.

## Summer Courses.

Should we or should we not offer (some) specialist courses in the summer?

## First Year Foundations Seminars.

Are replacing the 199s; see CPAD memo from Oct 26 (<http://www.artsci.utoronto.ca/faculty-staff/cpad-info> and attached) and another memo due soon. Previous 199 courses we have given included “Exploring Math Around Us” (Yulan Qing), “Magic and Math” (Bernardo Galvao-Sousa), and “Mathematical Exploration” (Dietrich Burbulla). Also comes to mind “Geometry and the Imagination” (see <https://arxiv.org/abs/1804.03055>). CM submission deadline: January 18, 2019.

## Awards subcommittee.

We need to set up an “awards subcommittee”. Deadlines already in mid-November. Eckhard? Boris?

- The President’s Teaching Award (deadline March 18, 2019), The Early Career Teaching Award (deadline January 18, 2019), The University of Toronto Teaching Fellowships (January 18, 2019), and the Northrop Frye Award (December 3, 2018): <https://memos.provost.utoronto.ca/call-for-nominations-u-of-ts-teaching-excellence-and-student-learning-awards-pdad-13/>.
- The Gordon Cressy Student Leadership Award (November 14, 2018): <https://alumni.utoronto.ca/events-and-programs/awards/cressy/nominations>.
- Further awards at <http://www.artsci.utoronto.ca/faculty-staff/cpad-info/2018-2019-memos/pdfs/21.pdf>.
- Various “internal” PDF CI / GS CI / TA awards.

## CM (Curriculum Management) issues.

CM submission deadline: December 7, 2018, then March 22, 2019.

**MAT390/1 “History of Math”:** We currently allow our specialists to take a full 1 FCE in “History of Math”, by taking both MAT390H and MAT391H (similarly for APM306Y, “Math and Law”). Is this reasonable?

**MAT409 “Set Theory”:** The current prerequisites are “MAT357”. Is this reasonable?

**“Internship Option”:** (Donna).

**Changes to MAT357 course description:** (Suggested in July by Spyros; needs re-confirmation); was / suggested:

Course Description: Function spaces; Arzela-Ascoli theorem, Weierstrass approximation theorem, Fourier series. Introduction to Banach and Hilbert spaces; contraction mapping principle, fundamental existence and uniqueness theorem for ordinary differential equations. Lebesgue integral; convergence theorems, comparison with Riemann integral, $L_p$ spaces. applications to probability.	Course Description: Concept of abstract measure spaces. Examples from Function spaces; Banach and Hilbert spaces; Arzela-Ascoli theorem, Weierstrass approximation theorem, contraction mapping principle, fundamental existence and uniqueness theorem for ordinary differential equations. Elements of Fourier Analysis, using Riemann integration:
--	---

## We're big and growing.

Mary: If you think it reasonable, I think it might be valuable to have a general discussion about the growth in our programs of study, their relation in the larger context of CS, Stats, Econ, and Act Sci and in relation to UTM and UTSC. This would touch on whether we should have thresholds on some of our courses when used as prerequisites (i.e. MAT246 for some of the 3rd/4th year courses).

---

## Our Previous Meeting

Email sent on October 17, 2018:

Dear All,

A summary of our meeting today. Topics are as in the agenda doc, which is at [http://drorbn.net/uc/UG\\_Committee\\_Agenda\\_181017.pdf](http://drorbn.net/uc/UG_Committee_Agenda_181017.pdf). Some tasks are assigned to some people within.

We agreed to aim to meet twice per semester. Donna - would you (or Cherylyn on your behalf) set up a doodle poll for the weeks of Nov 19 or Nov 26? I'm available Nov 19 before 3:30, Nov 20 before 2, Nov 21 all day, Nov 22 before 1, Nov 23 all day, Nov 26 before 3:30, Nov 27 before 2, Nov 28 except 1:30-3:30, Nov 29 before 1, and Nov 30 all day. The evolving agenda document for our next meeting is at [http://drorbn.net/uc/UG\\_Committee\\_Agenda\\_1811.pdf](http://drorbn.net/uc/UG_Committee_Agenda_1811.pdf).

We did not come to a decision on who would be the "awards chief", whose main role would be to be responsible that things are done, possibly by delegating them to others. Please please please help!

We approved the proposed changes to the 138 course description.

We agreed that there should be a value for M in the following line of prereqs for MAT237:

MAT137Y1/MAT157Y1/MAT136H1(90%)/(MAT136H1(65%),MAT138H1(M%)),MAT223H1/MAT240H1.

but we did not agree on what M should be. Alfonso / Bob, would you agree and let me know? If I hear nothing, I'll set M=65.

We approved reducing the prereqs to MAT329 from 7FCE to 5FCE.

We did not approve the changes to the MAT357 course description suggested by Spyros. I'll be happy to participate in an email discussion of this if somebody else initiates it. Otherwise I may or may not initiate such a discussion myself.

We agreed that we should have more detailed course description for the large first year courses (133/135/136/137/223/224) and that Sarah should lead a subcommittee who will write/approve/publish such descriptions. Sarah will be joined by Dror, Alfonso, Mary, Calder, Dietrich, and perhaps Jason, and she should take the initiative on getting this going.

We agreed that Donna should let Dror know what exactly we should request in terms of priorities for our students in classes given by other departments, and that Dror should then aim to make these priority slots happen.

Best, Dror.