

Faculty Meeting Minutes  
(Non-executive session)  
January 9, 2018

Present: Mark Kot, Nathan Kutz, Anne Greenbaum, Ulrich Hetmaniuk, Randy LeVeque (interim chair), KK Tung, Sasha Aravkin, Ivana Bozic, Matt Lorig

Absent: Emo Todorov (on-leave), Eli Shlizerman (on-leave), Chris Bretherton, Bernard Deconinck (sabbatical), Hong Qian, Tim Leung (on travel), Eric Shea-Brown

Others present: Jeremy Upsal (student GSR), Lauren Lederer (staff representative)

Proceedings:

- Meeting called to order by chair at 12:05pm.
- Minutes approved from November 7<sup>th</sup> and December 5<sup>th</sup> meetings. Matt motioned to approve, KK seconded; all approved.
- Randy made a few announcements:
  - The Community Standards & Student Conduct Office offered to do a presentation for faculty to explain the various regulations and procedures of reporting conduct issues, e.g. cheating. By show of hands, several faculty expressed interest in participating. Randy will work on scheduling a time outside of faculty meetings so that postdocs, instructors or student instructors could also attend.
  - While Workday issues seem smoother this quarter, it may be wise to check your pay slips as Keshanie will soon be out of the office for two weeks.
  - The self-study is still in progress. Please send any ideas you want included. Additionally, remember to send your CV.
  - A vote on adjunct and affiliate renewals will take place at the February meeting. In the meantime, Tony is emailing a note to all adjuncts and affiliates, asking them to confirm they wish to continue, and to send a brief report on activities.
- Randy provided further details about the proposal to create a BS/MS pathway. After talking with the graduate school it seems the approval process is less extensive than new programs. Ideally the program would start autumn 2019, but we would advertise early. Rolling admissions is likely. Students in the program would seek advising with KK as the undergraduate advisor. They could take 400 level classes so that they can do the more challenging classes upon entering graduate school. A maximum of six grad credits may be transferred into the MS program, if those credits were not previously counted toward the BS degree. Similar to the MS program, admission can be deferred for one year as needed. It would be a tuition/state-funded program initially. For now, this is targeted to students from the ACMS program, but in time might be rolled out to other programs. Randy hopes to formalize the proposal with the Executive Committee in the next couple of weeks and then send it to faculty for a vote.
- The possibility of developing one or more additional undergrad classes was discussed at length to provide input for the self-study. Discussion included:

- 100 level: Sasha, Eric, Hong, and others previously discussed a series of modules with philosophical themes. The general consensus was that this is probably not our highest priority at this time, but will revisit later.
- 300 level:
  - 302- Nathan had previously proposed a data analytics course aimed at scientists instead of mathematicians. The time might be ripe for this, with new data science options in many majors.
  - 382- Sasha discussed a possible statistical modeling, optimization, data science course. This could be a possible alternative to MATH 381 and/or AMATH 383 for ACMS majors, although there is concern about diluting the 383 audience and then having to offer an additional course.
- 300 or 400 level: a higher-level optimization course aimed at data science, which could be suitable for several ACMS Options, as well as other majors. This could be a possible alternative to MATH 408 that is less theoretical, and could serve a different audience.

A 302 class and/or a higher-level optimization course may be the best options to pursue first. Interested faculty should think about possible syllabi to discuss further.

- Meeting adjourned to executive session at 1:10pm.