Integration workshop 2017 schedule

Dates

Thursday, August 3, 2016 through Monday, August 7, 2017.

Organization

The workshop will have three sessions each day from 9-12, 1-4, and 4:30-7:30

 Three faculty members will give a series of two lectures. The lecturers and topics are:

Bryden Cais:
     Linear Algebra
Ibrahim Fatkullin:
     Multivariate Calculus/Real Analysis
David Glickenstein:
     Topology

The sessions devoted to these lectures will start with a lecture of about one hour. Then there will be about 90 minutes for students to work on solving problems and 30 minutes for students to present their solutions to the problems. There will be problem sets corresponding to each lecture series distributed at the start of the workshop and posted on the web. In addition to these lectures and problems solving, students will work in teams on a significant project in which they will learn some new mathematics and present it in a 1-hour lecture at the end of the workshop. There will also be a couple of sessions on practical matters like students' trajectory through the program and various opportunities.

Several senior grad students will be on hand to assist. They are: **Angela Kraft, Jun Wang, and Yan Dai.**

Schedule (subject to revision)

Distribution of name tags and introductions, etc. will start at 8:30 on Thursday. There will be coffee and some food every day at 8:30. All lectures will take place in ENR2 S395.

	Thu	**Fri**	**Sat**	**Sun**	**Mon**
9:00–12:00	Topology	Topology	Linear Algebra	Calc/Analysis	Projects
1:00–4:00	Calc/Analysis	Calc/Analysis	Topology	Linear Algebra	Presentations
4:30–7:30	Linear Algebra	Projects	Projects	Projects	

There will be an overview of what is covered in each of the core courses in the morning lectures Friday, Saturday and Sunday. The first hour of the Saturday evening session will be an overview of the graduate program - advice on how to succeed, degree requirements, funding, etc. The first part of the Sunday 4:30 session will be a Q&A with the advanced grad students.