

OPEN HOUSE

Prospective Math Ph.D. Students - March 24, 2017

9:00 AM – 9:30 AM

Breakfast: Busch Campus – Hill Center – Room 703

9:30 AM – 10:10 AM

Introduction to the Program: Hill Center – Room 705

- Led by Dr. Zheng-Chao Han, Graduate Director
- Support structure, qualifiers, TA responsibilities, student activities

The next several events run concurrently. Feel free to move between them whenever you like.

10:20 AM – 1:00 PM

Free Time: Hill Center

- Hill 703 is open for hanging out/relaxing
- Current graduate students will also be in Hill 703
- Graduate Director meetings in Hill 304

10:20 AM – 1:00 PM

Faculty Research Talks: Hill Center – Room 701

10:20 AM – 11:40 AM

Second Period Classes: Hill Center

10:30 AM – 11:30 AM

Complex Analysis Seminar: Hill Center – Room 705

11:00 AM – 12:00 PM

Representation Theory: Hill Center – Room 423 – Dr. Sahi

- Attend either 11:00 – 11:30, or 11:30 – 12:00 or both

12:00 PM – 1:00 PM

Third Period Classes: Hill Center

The attached page has a schedule of all of these concurrent events.

1:00 PM – 1:40 PM

Lunch: Hill Center – Room 703

1:40 PM – 2:40 PM

Graduate Student Pizza Seminar: Hill Center – Room 701

- Speaker: Érik de Amorim
- Title: The first big test of Einstein's General Relativity

3:00 PM – 6:00 PM

Free Time: Hill Center – Various activities include the following:

3:00 PM – 6:00 PM

Board Games: Hill Center – Room 701

3:00 PM – 4:00 PM

Women's Tea: Hill Center – Room 313

3:00 PM – 6:00 PM

Faculty Meetings: Hill Center – Individually scheduled

4:00 PM – 5:00 PM

Colloquium: Hill Center – Room 705

4:45 PM – 6:00 PM

Walking Tour of Campus: Busch Campus, College Ave Campus

- Depart from the 7th floor elevator lobby at 4:45 PM
- Will meet up with the rest of the group for dinner

5:45 PM

Dinner: Old Man Rafferty's – New Brunswick

- Carpool to dinner with graduate students
- Meet in the 7th floor elevator lobby at 5:45 PM

Schedule of Classes and Talks

Second Period Classes

<u>TITLE</u>	<u>INSTRUCTOR</u>	<u>ROOM</u>
Thermodynamics and Number Theory	Alex Kontorovich	Hill 525
Obstacle Problems and Applications	Paul Feehan	Hill 425

Third Period Classes

<u>TITLE</u>	<u>INSTRUCTOR</u>	<u>ROOM</u>
Special Topics in Number Theory: Prime Numbers	Henryk Iwaniec	Hill 425
Introduction to Mean Curvature Flow	Natasa Sesum	Hill 005

Faculty Research Talks

<u>TIME</u>	<u>SPEAKER</u>	<u>TOPIC</u>
10:20 – 10:40	Chuck Weibel	Algebra and Topology
10:45 – 11:05	Jeff Kahn	Discrete Mathematics
11:10 – 11:30	Simon Thomas	Set Theory
11:50 – 12:10	Chris Woodward	Topology and Symplectic Geometry
12:15 – 12:35	Shadi Tahvildar-Zadeh	PDE and Mathematical Physics
12:40 – 1:00	Xiaojun Huang	Complex Analysis/Geometry

Department Seminars

Complex Analysis Seminar – 10:30 AM, Hill 705

Speaker: Yumeng Ou, MIT

Title: Sparse Domination of Singular Integral Operators

Colloquium – 4:00 PM, Hill 705

Speaker: Lauren Williams, Berkeley

Title: From hopping particles to Macdonald-Koornwinder polynomials