

## GRADUATE STUDENT COURSE ASSIGNMENTS

Block 1	Discrete mathematics --- Babai	Weeks 1-8
Block 2a	Random walks --- Lawler	Weeks 1-2
Block 2b	Fourier series --- Fefferman	Weeks 3-4
Block 2c	Music and mathematics --- Fiore	Weeks 5-6
Block 3a	Mapping class groups --- Farb	Weeks 1-4
Block 3b	$2 \times 2$ matrices --- Bader	Weeks 5-6
Block 3c	Toric geometry --- Kerr	Weeks 7-8
Block 4a	TQFT's --- May	Weeks 1-4
Block 4b	Products on spaces --- Angeltveit	Weeks 5-8
Block 6	Number Theory (Apprentice) --- Babai	Weeks 1*-4

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Block 1	Block 1	Block 1	Block 1		Block 1	Block 1	Block 1
Block 2a	Block 2a	Block 2b	Block 2b	Block 2c	Block 2c		
Block 3a	Block 3a	Block 3a	Block 3a	Block 3b	Block 3b	Block 3c	Block 3c
Block 4a	Block 4a	Block 4a	Block 4a	Block 4b	Block 4b	Block 4b	Block 4b
*	Block 5	Block 5	Block 5				

\*No class meetings first week, but meetings with students

- Block 1 (Babai) (weeks 1-4, 6-8)  
Balaji, Drenning, Dzhafarov, Marcus, Schedler
- Block 2a (Lawler) (weeks 1-2)  
Beceanu, Peng
- Block 2b (Fefferman) (weeks 3-4)  
Beceanu, Peng
- Block 2c (Fiore) (weeks 5-6)  
Malestein, Thiyagarajan
- Block 3a (Farb) (weeks 1-4)  
Bou-Rabee, Church, Day, Malestein, Putman
- Block 3b (Bader) (weeks 5-6)  
Anders, Dowdall
- Block 3c (Kerr) (weeks 7-8)  
Anders, Peng
- Block 4a (May) (weeks 1-4)  
Bohmann, Boyarchenko, Guillou, Johnson, Lind
- Block 4b (Angeltveit) (weeks 5-8)  
Bohmann, Johnson, Lind
- Block 5 (Apprentice) (weeks 2-4)  
Broshi, Geline, Kerr, Morris, Shipman

## Assignments by block and by mentoring group

Name (28)	weeks	Block	Mentoring
Alan Anders	8	3b, 3c	Apprentice
Sundeeep Balaji	8	1	YSP
Marius Beceanu	2-5	2a, 2b	SESAME
Ian Biringer	1-2, 8?		YSP
Michael Broshi	1-6, 8	5	YSP
Anna-Marie Bohmann	8	4	SESAME
Khalid Bou-Rabee	8	3a	Apprentice
Mitya Boyarchenko	8	4a	YSP
Tom Church	8	3a	SESAME
Matthew Day	8	3a	SESAME
Spencer Dowdall	3-8	3a, 3b	YSP
Shawn Drenning	1-7	1	SESAME
Damir Dzhahalil Dzhafarov	2-8	1	SESAME
Jim Fowler	8	3a	YSP
Michael Geline	1-4	5	Apprentice
Bertrand Guillou	1-4	4a	Apprentice
Shawn Henry			SESAME, YSP
Niles Johnson	8	4	SESAME
Gabriel Kerr	1-6	5	Apprentice
John Lind	8	4	YSP
Justin Malestein	8	2c 3a	YSP
Aaron Marcus	8	1	YSP (+ 1 sit-in)
Courtney Morris	2-4 or 6	5	Apprentice
Irine Peng	8	2a, 2b, 3c	SESAME
Andrew Putman	1-4	3a	Apprentice
Travis Schedler	2-8	1	SESAME
Ian Shipman	8	5	SESAME (+ 1 sit-in)
Saravanan Thiyagaraajan	8	2c	Apprentice

## ORGANIZERS and COORDINATORS

Team leaders for courses: people in charge of organizing problem sessions, making sure that graduate students are at talks, and coordinating with faculty, whose preferences on how graduate students are to help out are paramount.

- 1 Babai: Schedler
- 2a Lawler: Peng
- 2b Fefferman: Peng
- 2c Fiore: Malestein
- 3a Farb: Putman
- 3b Bader: Anders
- 3c Kerr: Anders
- 4a May: Guillou
- 4b Angeltveit: Johnson
- 5 Babai (Apprentice): Broshi

Overall mentoring coordinator: Boyarchenko

Apprentice mentoring:

Coordinator: Geline

Mentors: Anders, Bou-Rabee, Geline, Guillou, Kerr, Morris, Putman, Thiyagarjan  
(Reorganization for weeks 5–8 depending on which undergraduates participate)

SESAME mentoring:

Coordinator: Johnson

Mentors: Beceanu, Bohmann, Church, Day, Drenning, Dzhafarov, Henry, Johnson,  
Peng, Schedler, Shipman

YSP mentoring:

Coordinator: Fowler

Mentors: Balaji, Biringer, Broshi, Boyarchenko, Dowdall, Fowler, Henry, Lind,  
Malestein, Marcus