

GRADUATE STUDENT COURSE ASSIGNMENTS

Block 1	Discrete Mathematics — Babai	Weeks 1–8
Block 2a	Groups and Problems — Abert	Weeks 1–4
Block 2b	Elliptic curves — Unver	Weeks 5–6
Block 2c	Complex algebraic curves — Kerr	Weeks 7–8
Block 3a	Pure and applied analysis — Fefferman	Weeks 1–2
Block 3b	Music theory — Fiore	Weeks 3–4
Block 3c	Fractals and dimension — DeMarco	Weeks 5–6
Block 4a	Problems in topology — Farb	Weeks 1–4
Block 4b	Riemann surfaces — Souto	Weeks 5–6
Block 4c	Random walks on graphs — Bader	Weeks 7–8
Block 5	K -theory — May	Weeks 1–2, 5–8
Block 6	Number Theory (Apprentice) — Abert 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 2a	Block 2a	Block 2b	Block 2b	Block 2c	Block 2c
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 4c	Block 4c
Block 5	Block 5			Block 5	Block 5	Block 5	Block 5
*	Block 6	Block 6	Block 6				

*No class meetings first week, but meetings with students

Block 1 (Babai) (weeks 1–4, 6–8)

Chakraborty (CS), Turkoglu (CS); Beazley, Guichard, Schedler, Zoque-Lopez

Block 2a (Abert) (weeks 1–4)

Drenning, Marcus, Noel, Thiyagarajan

Block 2bc (Unver, Kerr) (weeks 5–8)

Drenning, Madapusi, Marcus, Noel, Thiyagarajan

Block 3a (Fefferman) (weeks 1–2)

Carstea, Zarnescu

Block 3b (Fiore) (weeks 3–4)

Biringer, Carstea

Block 3c (DeMarco) (weeks 5–6)

Carstea, Dymarz, Zarnescu, Zbarsky

Block 4a (Farb) (weeks 1–4)

Biringer, Booth, Diamondstone, Putman, Young

Block 4bc (Souto, Bader) (weeks 5–8)

Biringer, Booth, Diamondstone, Holden, Putman

Block 5 (May) (weeks 1–2, 5–8)

Abouzaid, Anders (5–8), Fowler (1–2, 5–8), Kamgarpour, Smith

Block 6 (Apprentice) (weeks 1–4, mentoring also 5–8)

Anders, Booth, Holden, Madapusi, Patel, Ponto, Zbarsky

Assignments by block and by mentoring group

Name	Block	Weeks	Mentoring
Alan Anders	6, 5	all 8	Apprentice
Mohammed Abouzaid	5	1, 5–7	(Organizer)
Elizabeth Beazley	1	all 8	(Babai)
Ian Biringer	3b, 4	all 8	SESAME
Matthew Booth	6, 4	all 8	Apprentie
Catalin Carstea	3	all 8	YSP
David Diamondstone	4	all 8	YSP
Shawn Drenning	2	all 8	SESAME
Tullia Dymarz	3c	5–8	SESAME
Jim Fowler	6, 5	1–2, 5–8	Apprentice
Megan Guichard	1	1–4, 7–8	(Babai)
Matt Holden	6, 4bc	8	Apprentice
Masoud Kamgarpour	5	1–3, 5–8	SESAME
Keerthy Madapusi	6, 2b	1–6	Apprentice
Aaron Marcus	2	1–3, 5–8	YSP
Justin Noel	2	all 8	SESAME
Deepam Patel	6	1–4	Apprentice
Kate Ponto	6	all 8	Apprentice
Andrew Putman	4	1–6, 8	SESAME
Travis Schedler	1	all 8	(Babai)
Emma Smith	5	1–2, 5–8	YSP
Saravanan Thiyagarajan	2	all 8	SESAME
Robert Young	4a	all 8	YSP
Dani Zarnescu	3a, 3c	all 8	SESAME
Boris Zbarsky	3c, 6	5–8	Apprentice
Eliana Zoque-Lopez	1	all 8	(Babai)
Sourav Chakraborty	1	all 8	(Babai)
Duru Turkoglu	1	all 8	(Babai)

ORGANIZERS

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: Sourav Chakraborty
- 2a Abert: Justin Noel
- 2bc Unver-Kerr: Justin Noel
- 3a Fefferman: Catalin Carstea, Arghir Zarnescu
- 3b Fiore: Catalin Carstea
- 3c DeMarco: Catalin Carstea, Tullia Dymarz
- 4a Farb: Andy Putman
- 4bc Souto-Bader: Andy Putman
- 5 May: Masoud Kamgarpour
- 6 Abert-Babai (Apprentice): Kate Ponto

Mentoring organizer: in charge of setting up mentorship pairings:
Abouzaid (first week: organizer in chief)

APPRENTICE:

Mentors: Anders, Booth, Holden, Madapusi, Patel (weeks 1-4), Ponto, Zbarsky (weeks 5-8)

YSP:

Mentors: Carstea, Diamondstone, Fowler (1-2, 5-8), Marcus, Smith (1-2, 5-8), Young

SESAME:

Mentors: Biringer, Drenning, Dymarz (5-8), Kamgarpour, Noel, Putman, Thiagarajan, Zarnescu.