

*I will update this schedule week to week, but hopefully it will provide a rough outline for the semester.

Week 1

2 sessions: Tues 1/17 and Thurs 1/19

- A good online dating story? 4 Introductory articles & parallels split board exercise; course goals; syllabus review
Due Thursday 1/19: Chapter 1 of Oyer, Chapter 1 of Whitman (*Undead*); Slater (*A Million ...*)
- Discussion Ch. 1 of Oyer, Ch. 1 of Whitman (and Ch. 1 of Slater); Start Theory: Chapter 1 - utility and rationality
Due Tuesday: Intro of Rodrik, Ch. 1 of Rodrik (at least start it!)
Due Thursday 1/26: all discussion and share points for Ch. 1 must be earned by this date

Week 2

2 sessions: Tues 1/24 and Thurs 1/26

- Theory: Ch. 1 - utility, marginal utility, risk, probability and expected utility, modeling basics;
Due Thursday 1/26: Build a model #1 - Build a model of a decision maker facing risk
- Workshop of your model #1's;
Due Tuesday 1/31: Submit your final version of Model #1;

Week 3

2 sessions: Tues 1/31 and Thurs 2/2

- Theory: Ch. 1 - Search Theory model; Theory
Due Thursday 2/5: Prepare workshop-ready Model #2: Search model
- Workshop of your model #2's (search theory models);
Due Tuesday 2/7: Submit your final version of Model #2: Search model, Read Ch. 2 of Oyer and through Rodrik Ch. 1 for discussion on 2/7

Week 4

2 sessions: Tues 2/7 and Thurs 2/9

- Discussion: Ch. 2 of Oyer, Ch. 1 of Rodrik; Golden Balls, Mike Bobrinskoy,
Due Tuesday 2/14: all discussion and share points for ch. 2 must be earned by this date
- Theory: Ch. 2 - classification of games, models and examples of static games
Due Tuesday 2/14: all discussion and share points for ch. 2 must be earned by this date

Week 5

2 sessions: Tues 2/14 and Thurs 2/16

- Theory: best responses, Nash equilibrium, incomplete information and (Modified) Battle of the Sexes
Due Thursday 2/16: Prepare workshop-ready Model #3: Static game model
- Workshop of your model #3's (static game models);
Due Tuesday 2/21: Submit your final version of Model #3;

Week 6

2 sessions; Tues 2/21 and Thurs 2/23

- Theory: dynamic game, strategies as complete plans of action, more incomplete information
Due Thursday 2/23: Prepare workshop-ready Model #4: Dynamic game model
- Workshop: of your model #4's (dynamic game models);
Due Tuesday 2/28: Submit your final version of Model #4; Read Ch. 3 of Oyer and Landsburg article
[DUE TUESDAY 2/28: Proposal for the research paper]

Week 7

2 sessions; Tues 2/28 and Thurs 3/2

RECEIVE: Take-home Midterm Exam on Thurs 3/2

- Discussion Ch. 3 of Oyer and Landsburg article; Theory: driving networks and Braess' Paradox
Due Tuesday 3/7: all discussion and share points for Ch. 3 must be earned by this date
- Theory Ch. 3: Demand review, Network externality and demand model

Week 8

2 sessions; Tues 3/7 and Thurs 3/9

DUE THURSDAY 3/9: Take-home Midterm Exam

- Discussion Ch. 4/5 of Oyer, Golden Balls experiment with the Promise Round (as a signaling mechanism)!
Due Tuesday 3/21: all discussion and share points for Ch. 4/5 must be earned by this date
- Theory Chs. 4/5: Signaling in the job market (Spence), information sets and remodel of BoS game

SPRING BREAK

Week 9

2 sessions: Tues 3/21 and Thurs 3/23

- Theory Ch. 4/5: re-model of signaling in the job market game, Signaling in the Courtship game
- Theory Ch. 4/5: finish courtship game, Cheap talk model: Stock Broker Advice game
Due Tuesday 3/28: Prepare workshop-ready Model #5: Signaling/CheapTalk

Week 10

2 sessions: Tues 3/28 and Thurs 3/30

- Finish cheap talk model; Workshop of your Model #5s
Due Thursday 3/30: Submit your final version of Model #5; Read Ch. 7 of Oyer, Ch. 5 of Whelan
- Discussion: Ch. 7 of Oyer and Whelan Ch. 5 (*Naked Economics*); Theory: Ch. 7 - Adverse Selection, Market for Lemons
Due Tuesday 4/4: Read Ch. 6 / 8 of Oyer
Due Tuesday 4/6: all discussion and share points for Ch. 7 must be earned by this date

DUE TUESDAY 4/11: Project DRAFT due for workshopping!

Week 11

2 sessions: Tues 4/4 and Thurs 4/6

- Discussion: Ch. 6 / 8 of Oyer, Ch. 3 of Harford (*Logic of Life*); Read Vox.com article on College Admissions
Due Tuesday 4/11: all discussion and share points for Ch. 6/8 must be earned by this date
- Theory: Ch. 6 / 8 - Matching markets: two-sided one-to-one matching, deferred acceptance procedure, stable matching

DUE TUESDAY 4/11: Project DRAFT due for workshopping!

Week 12

2 sessions: Tues 4/11 and Thurs 4/13

- ROUGH DRAFT WORKSHOP DAY
- Theory: Ch. 6 / 8 - Matching markets: one-sided, adding a participant, deception and strategy, many-to-one matching

Week 13

2 sessions: Tues 4/18 and Thurs 4/20

- Theory: Probabilistic Threats
Due Thursday 4/20: Prepare workshop-ready Model #6: Matching Markets

- Workshop of your Model #6s
Due Tuesday 4/25: Submit your final version of Model #6

Week 14
2 sessions: Tues 4/25 and Thurs 4/27

- Discussion: Ch. 9/10 of Oyer, begin social choice rule lecture
Due Tuesday 5/12: all discussion and share points for Ch. 9/10 must be earned by this date
- Theory: Social choice rules, Arrow's Impossibility Theorem

Week 15
1 sessions: Tues 5/2

- Review and debrief course; **FINAL EXAM ASSIGNED**

DUE FRIDAY 5/12: Final Project!

DUE FRIDAY 5/12: Final Exam!

DUE FRIDAY 5/12: Model Portfolio!