

**CLASS SCHEDULE FOR THE REST OF THE SEMESTER ADJUSTED AFTER
HURRICANE SANDY
NEW YORK UNIVERSITY
Department of Economics
Mathematics for Economists (MA)
G31.1001.02**

Instructor: Seyhan Erden Arkonac, PhD

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TAs: Ilari Paasivirta

TA's email address: Ilari@nyu.edu

Lectures: Fridays 3:00 – 5:00 PM @ **Tisch LC 11**

Recitation: Fridays 5:25 – 6:55 PM @ 19 West 4th Street room 736

Instructor's office: Room 503

Instructor's office hours: Fridays 1:45 – 2:45

TA's office: Room 732

NEW (ADJUSTED) CLASS SCHEDULE:

Notice that lectures 12 and 13 are combined, we will cover as much as we can, and anything uncovered will be dropped from homework and from Final exam.

7	10/26	Optimization with Equality Constraints. Lagrange Multiplier, Bordered Hessian. Chapter 12 upto section 12.4 (not inclusive) (Chiang and Wainwright) Chapter 10 (Dadkhah)	Read Chapter 12 upto section 12.4 of Chiang and Wainwright page 330 questions: 1b, 2b, 4, 6 page 341 questions: 2, 4, 5b
8	11/9	Midterm exam	
9	11/16	Utility Maximization and Consumer Demand. Chapter 12 (cont') sections 12.4 – 12.7 (Chiang and Wainwright)	<u>Hw:</u> page 355 questions: 1b, 1d, 2 for 1b & 1d, 3b, 6 page 363 questions: 1 for b & d only page 374 questions: 1, 2b page 382 questions: 2, 4 page 389 questions: 1b, 1d, 1f, 5, 6,

			8c page 401 questions : 4, 5, 6c, 7, 8b, 8d
11	11/23	Thanksgiving Break	
12	11/30	Kuhn-Tucker Conditions, Envelope Theorem. Chapter 13 (Chiang and Wainwright) Chapter 10 (Dadkhah)	Read Chapter 13 of Chiang & Wainwright <u>Hw:</u> page 412 questions: 2, 4 page 418, question: 2 page 423, questions : 1, 3
13	11/30	Dynamic Analysis: Integration, Domar Growth Model. Chapter 14 (Chiang and Wainwright)	Read Chapter 14 of Chiang and Wainwright <u>Hw:</u> page 453 questions: 1b, 1e, 1f, 2b, 2e, 2f, 3b, 3d, 4b page 460 question: 1d, 1c, 1f, 2b, 2d, 5 page 464 question: 3 page 470 questions: 2, 3b, 4, 5b page 474 questions: 4
14	12/7	Continuous Time: First Order Differential Equations, Dynamics of Market Price. Solow Growth Model. Chapter 15 (Chiang and Wainwright) and Phase Diagrams. Section 19.5 of Chapter 19 (Chiang and Wainwright))	Read Chapter 15 and section 19.5 of Chiang <u>Hw:</u> page 479 questions: 1b, 1d, 3b, 3d, 3f page 483 question: 4 page 486 questions: 2, 4 page 491 question: 1b, 1d, page 495 questions: 1b, 1d, 2 for 1b only, 4 page 498 questions: 1b, 1d page 502 questions: 2, 3 page 623 questions: 1, 2, 4

- Updated on Tuesday, November 06, 2012 at 12:51:28 PM