

**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
Instructor's email address: seyhan.arkonac@nyu.edu

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	<i>Optimization with Equality Constraints. Lagrange Multiplier, Bordered Hessian.</i> 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	<i>Utility Maximization and Consumer Demand.</i> 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	<i>Thanksgiving Break</i>	
12	11/30	<i>Kuhn-Tucker Conditions, Envelope Theorem.</i> <i>Chapter 13 (Chiang and Wainwright)</i> <i>Chapter 10 (Dadkhah)</i>	<i>Read Chapter 13 of Chiang & Wainwright</i> <u><i>Hw:</i></u> page 412 questions: 2, 4 page 418, question: 2 page 423, questions : 1, 3
13	11/30	<i>Dynamic Analysis: Integration, Domar Growth Model.</i> <i>Chapter 14 (Chiang and Wainwright)</i>	<i>Read Chapter 14 of Chiang and Wainwright</i> <u><i>Hw:</i></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	<i>Continuous Time: First Order Differential Equations, Dynamics of Market Price.</i> <i>Solow Growth Model.</i> <i>Chapter 15 (Chiang and Wainwright) and Phase Diagrams. Section 19.5 of Chapter 19 (Chiang and Wainwright))</i>	<i>Read Chapter 15 and section 19.5 of Chiang</i> <u><i>Hw:</i></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

15 12/14 *Discrete Time: First-Order Difference Equations Chapter 17 (Chiang and Wainwright)*

Review for the Final Exam (part of this lecture may be used for any subject that was not covered due to time restriction)

Read Chapter 17 of Chiang
Hw: page 551 questions: 1b, 2b, 3b, 4
page 554 questions : 1b, 1d, 2, 3b, 3d
page 558 question 4
page 562 question 4
page 567 question 3, 5

16 12/16- *Final Exam (2 hours)*
12/21 *We will reschedule Final Exam and if necessary will offer in two separate days.*

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