



# UNIVERSITY OF TORONTO

Department of Economics  
St. George Campus  
ECO 204: Microeconomic Theory for Commerce  
2010-2011

*Nec Aspera Terrent*

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**Instructor:** [Ajaz Hussain](#)

**Office**

[GE 212](#), Economics Department, 150 St. George Street

**Phone**

416 – 978 - 4965

**E-mails**

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**Email course related inquiries to Head TA [Asad Priyo](#) (E-mail)**

**ECO 204 Office Hours**

Thursdays 1 - 3 pm or by [appointment](#)

## Teaching Assistants



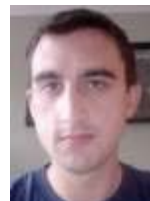
**Asad Priyo**

**Head TA**

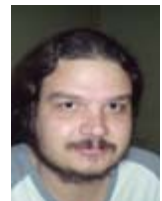
Please direct course



**Alfia Karimova**



**Patrick Rizzetto**



**Elton Dusha**

related inquiries to

Asad

<b>Office</b>	<u>GE 213</u>	<u>GE 213</u>	<u>GE 40</u>	
<b>Office Hours</b>	Tue 2 – 3	Wed 4 – 5	Wed 9 - 10	
<b>E-mail</b>	<a href="mailto:asad.priyo@utoronto.ca">asad.priyo@utoronto.ca</a>	<a href="mailto:alfia.karimova@utoronto.ca">alfia.karimova@utoronto.ca</a>	<a href="mailto:patrick.rizzetto@utoronto.ca">patrick.rizzetto@utoronto.ca</a>	<a href="mailto:e.dusha@utoronto.ca">e.dusha@utoronto.ca</a>
<b>Tutorials</b>	Friday 1 - 3 in <u>SS</u> 2135	Friday 1 - 3 in <u>SS</u> 2106 Friday 3 – 5 in <u>SS</u> 1083	Friday 3 – 5 in <u>VC</u> 323	Friday 1 – 3 in <u>LM</u> 158

### Lectures & Tutorials

Lecture	Tutorial	TA Office Hours
Monday 10 - 12 in <u>LM</u> 158	Friday 1 - 3 in <u>LM</u> 158 TA: Elton Dusha	- None -
Monday 2 - 4 in <u>EM</u> 119	Friday 3 - 5 in <u>VC</u> 323 Patrick Rizzetto	Wed 9 - 10 <u>GE</u> 40
Tuesday 10 - 12 in <u>SS</u> 2106	Friday 1 - 3 in <u>SS</u> 2106 TA: Alfia Karimova	Wed 4 – 5 <u>GE</u> 213
Tuesday 4 - 6 in <u>MP</u> 102	Friday 3 – 5 in <u>SS</u> 1083 TA: Alfia Karimova	Wed 4 - 5 <u>GE</u> 213
Wednesday 6 - 8 in <u>SS</u> 2135	Friday 1 - 3 in <u>SS</u> 2135 TA: Asad Priyo	Tue 2 – 3 in <u>GE</u> 213

### Course Materials and Software:

- ECO 204 (1<sup>st</sup> draft) [“chapter” notes](#)
- Excel 2007
  - Please add-in the Developer Tab, Data Analysis, Data Analysis (VBA) and Solver tools ([instructions](#))
    1. Excel tips and tricks: [DataPig Technologies](#), [Newton-Bach](#), [Engineering-spreadsheets](#)
    2. Optional: If you’re planning to major in finance, buy and work through [Financial Modeling](#) by [Simon Benninga](#)
    3. [Excel Model](#) (continuously updated – see [Lectures, Practice Problems & HW](#) section below)

- Microeconomics business cases, purchasable from [Harvard Business School Press](#) [here](#) (please register as a student and download the pdf files onto your PC):
  1. Prestige Telephone Company
  2. [NutraSweet \(A\)](#)
  3. The Aluminum Industry in 1994
    - [Cost data for 157 primary aluminum smelters](#) (password: quasifixed)
- Optional Textbooks:
  - To hone analytical, presentation, and case analysis skills, join the [Case Analysis Group at Facebook](#) (you must belong to the U Toronto network)
  - [Introduction to Economic Analysis](#), Preston McAfee (free)
  - [Applied Theory of Price](#), Donald McCloskey (free)
  - [Microeconomics](#) (3<sup>rd</sup> Edition), Besanko & Braetigam (BB) (Available at Robarts Library [Short Term Loans Desk](#))
  - [The Elements of Style](#), William Strunk 3<sup>rd</sup>
  - [The Case Study Handbook](#) (see [HBS site](#) for other resources)
  - [Martin Osborne's Math Tutorial](#)

### Grading Scheme:

- 45% = 3 tests (i.e. each test is worth 15%).
  - Dates:
    - Test 1: 6 – 8 pm, Friday October 15<sup>th</sup>, 2010
    - Test 2: 6 – 8 pm, Friday December 3<sup>rd</sup>, 2010
    - Test 3: 6 – 8 pm, Friday February 18<sup>th</sup>, 2011
    - All tests are in EX 100 and EX 200
    - If there are any conflicts, please [e-mail](#) the head TA Asad Priyo one week before the test.
    - Note: It is your responsibility to write your name and ID # on tests as it appears in ROSI. Failure to do so will result in a 25% penalty per incident. For example, if your name is “Jun” and you write “John” on the test, then the test mark will be reduced by 10%.
    - A grade of zero will be given to students who do not write a test, unless an **appropriate and convincing** note is received within one week of the missed test (explaining why the test was missed).
      - The note must be provided using the University of Toronto medical certificate;
      - Only original notes will be accepted. I will not accept photocopies or emailed certificates.
      - The note must clearly state that on the date of the test, the student was too sick to write the test. Illness before the test is not sufficient grounds for missing the test. Nor will I accept notes that indicate that the student would have performed “sub-optimally.”
      - To comply with these requirements, it is expected that the student will have met with the doctor on the date of the test.

I will review each sick note to determine whether there are sufficient grounds for a student to be excused from a test. Part of this review process may include meeting with the student, and/or following up with the physician.

It is an academic offence to feign illness to avoid a test.

If a student has been excused from a test on medical grounds, he or she will be permitted to write the make-up test. This make-up test will be held on Wednesday April 6<sup>th</sup> from 3 – 5 pm. The test will be cumulative, covering all material in the course through to the make-up test date.

The make-up test will be worth the value of all missed tests. I expect this to be one test at most. Very few students pass that miss more than one test. Consistent with university policy, there is no “make-up” test for the make-up test. No medical excuses will be accepted, and grade of zero will be applied.

For all term tests, if students wish to appeal a grade, they must provide a written explanation of why they believe their grade is mistaken, and submit it to the TA, Asad Priyo, *within one week of the tests being returned to the class.*

- 10% = Paper (Group project)
  - Due Date: March 4<sup>th</sup> (soft copy through Turnitin and hard copy at GE 213 between 10 am – noon)
  - Penalty for late submission: 25% per day
  - It is your responsibility to write your name and ID # on papers as it appears in ROSI. Failure to do so will result in a 25% penalty per incident. For example, if your name is “Jun” and you write “John” then your mark will be reduced by 10%.
  - Plagiarism is a very serious problem. There will be more details concerning the definition of plagiarism, advice on how to avoid it, and the associated penalties when we discuss the paper assignment in more detail. All written work must be submitted for review through [www.turnitin.com](http://www.turnitin.com). Instructions will be provided along with the details to the assignments. It is important to underscore that the Department of Economics prosecutes all cases of plagiarism vigorously. This includes “unintentional” plagiarism. Ignorance of the rules of plagiarism is specifically excluded as a defence.

**Disclaimer concerning Turnitin.com:**

*Students agree that by taking this course all required papers will be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site.*

- 45% = Final Exam (3 hours)
  - Date: TBA by Faculty of Arts and Sciences.

## **(Some) Past Tests & Exams**

Summer 2010:

- [Test 1 \(Test 1 Solutions\)](#) • [Test 2 \(Test 2 Solutions\)](#) • [Test 3 \(Test 3 Solutions\)](#) \* [Final Exam](#)

2009 - 2010:

- [Test 1 \(Test 1 Solutions\)](#) • [Test 2 \(Test 2 Solutions\)](#) • [Test 3 \(Test 3 Solutions\)](#) • [Final Exam](#)

Summer 2009:

- [Test 1 \(Test 1 Solutions\)](#) • [Final Exam](#)

2008 - 2009:

- [Test 1 \(Test 1 Solutions\)](#) • [Test 2 \(Test 2 Solutions\)](#) • [Test 3 \(Test 3 Solutions\)](#) • [Test 4 \(Test 4 Solutions\)](#) • [Final Exam](#)

## **Course Description**

ECO 204 is an intermediate course in microeconomic theory with a focus on applications to business problems and cases. Microeconomics is critical to your education and career. Almost every one of your future courses at [Rotman](#) -- ranging from finance and marketing to accounting and operations -- are rooted in microeconomics, and the microeconomic paradigm is intensively used in business cases and problems. As such, the objectives of this course are to:

- Equip you with economic, mathematical, and Excel models and techniques
- Develop your logical, analytical, critical thought process
- Develop and polish your writing, quantitative, and Excel skills
- Apply microeconomic theory to real life business problems and cases

ECO 204 makes heavy uses of calculus (with an emphasis on unconstrained, equality constrained and inequality constrained optimization) and Excel, and integrates microeconomics to actual business cases and problems. It is critical to note that microeconomics is an iterative discipline in that each topic builds on previous topics. Microeconomic analysis is multi-layered, deep and interconnected and takes time to master, requiring *you* to integrate the various tools, techniques and areas of microeconomics. Put another way, you cannot master microeconomics, nor perform well in the course, by cramming for tests and exams, or writing a paper in "one shot".

I will post lecture slides before each class in the [Lectures & HW](#) section. You are expected to download lectures and bring these to class. Please don't treat the lecture slides as class notes; rather, lecture slides are teaching aids. You are expected to take class notes and within a day to integrate your class notes with the lecture slides, HWs and practice problems. For each lecture, I will post practice problems with solutions that are designed to reinforce the material, deepen your understanding and give you an opportunity to develop the microeconomic paradigm and way of thinking. I expect that you will do the practice problems within a few days of the lecture.

Weekly HWs will be posted and covered in the mandatory tutorial sections. Please note that solutions to

HWs will *not* be posted; instead, the TA will go over these problems in class to show you how to *think* through problems. As such, you must struggle on your own first rather than simply looking at the solutions. If you struggle on your own, you will gain a deeper understanding of the material.

Because ECO 204 aims to give you a solid training in microeconomics supplemented by business applications, you should understand that there will be heavy use of math, Excel, and case analyses. You are expected to read cases before coming to class. At first, cases will seem long and vague -- it is only through practice that you'll get a hang of how to effectively read and analyze a case. I advise you to start writing your papers at least two weeks in advance, working hard to refine your arguments, tighten your writing, and polish the paper. You are welcome to have a conversation with me about the paper.

Finally, a bit of advice for students who study with the expectation that tests and exams will contain variations of past test, exam and HW problems. I guarantee that test and exam questions will be nothing like you've ever seen before. I do this on purpose because I want you to be ready for that job interview, or HBS case, or a problem in your job: business problems are not variations of past problems -- simply memorizing solutions to old problems will not solve a new problem. Instead, you need to develop a "thinking cap" by synthesizing previous problems with microeconomic tools and models. As such, the best way to prepare is not by doing old problems and hope that you have covered "everything". A better approach is to *understand* the techniques and models. In this respect, HW and practice problems are critical for success in ECO 204. [Jenn Murdock's](#) advice is indispensable:

*"Inappropriate use of the solutions is dangerous for your marks. Assigned problems are designed to help you build skills and to deepen your understanding of the course material. One important skill is being able to figure out a solution approach to a problem that you have not seen before. This skill is routinely tested. By looking at the solutions before you have made every effort to solve the problem yourself, including going back to study your lecture notes and the textbook, you are robbing yourself of a valuable opportunity to practice. After you finish a problem, look at the question again and your answer and think about how this fits into the course, what concepts you used and what assumptions you made".* [Source]

If you're having problems in the course, know that the TAs and I are always ready to help you provided you approach me in time. Do not delay asking for help.

We will cover the following topics:

<b>Topics</b>
Unconstrained, Equality Constrained (Lagrangian) & Inequality Constrained Optimization (Kuhn-Tucker) Methods
Consumer Theory
Intertemporal consumption and saving
Decision Making under Uncertainty
Finance
Portfolio Analysis
Producer Theory
Cost Analysis
Competitive Firms and Markets

Firms and Markets with Market Power
Topics in Uniform Pricing
Price Discrimination
Oligopolistic Firms and Markets
Game theory

### **Economics Study Center**

The Economics Department hosts a [Study Center](#) staffed by undergraduate peer mentors. The Study Center is located in room 110 at the Economics Department and is open during the Fall and Winter semesters Mon - Fri 1 - 5 pm. You are welcome to use the Study Center and the adjacent lounge to study and/or to utilize the Peer Mentor resources.

Peer mentors can help you develop effective study habits, give you advice on taking the right courses or to tell you about a particular course, help prepare you for graduate school and help you with questions and/or problems that you may have from your 200 level courses. Please note that peer mentors are not substitutes for TAs and professors -- they will do their best to answer your questions and in the event they can't please do contact your TA and/or professor.

### **Writing Centers**

The University of Toronto [Writing Centers](#) to help students with papers and I strongly recommend utilizing this free resource. I also urge you to read this free, succinct, excellent book on writing: [The Elements of Style](#) by William Strunk 3<sup>rd</sup>.

### **E-mail policy**

The course works best when there is interaction between faculty and students, especially in connection with the research projects. To this end, I have scheduled 2 hours per week of office hours. In addition, the TA will be available for 2 hours per week. Combined, students thus have three hours per week for one-on-one discussion with me or the TA.

Where does email fit in? My experience is that email is **not** the appropriate forum for discussing details – that is why we have set aside office hours. That said, email can be helpful on occasion, and within limits. Accordingly, I will endeavour to reply to email within 24 hours, except on weekends, with the following provisions:

- The question should require a one (or two) sentence response (maximum). If it takes more, office hours are the more appropriate venue;
- I will never answer questions concerning Excel (or computing more generally). Such questions should be discussed in my, or the TA's, office hours.
- I will never answer emails that request information that can be found on the website or the syllabus;
- I will not reply to emails concerning grading. For such matters, office hours are more appropriate.
- It is also (strongly) preferable that you use a utoronto email address: My spam filter is set to maximum. Moreover, university policy stipulates a preference for these email addresses.
- Always identify yourself in your email;
- Please do not send attachments of any kind;
- Please do not submit term work by email;

I should note, however, that I encourage you to provide course feedback and comments via email, if you wish. I should also add that the TA has allocated time each week to respond to emails.

**Academic Integrity**

Academic integrity is one of the cornerstones of the University of Toronto. It is critically important both to maintain our community which honors the values of honesty, trust, respect, fairness and responsibility and to protect you, the students within this community, and the value of the degree towards which you are all working so diligently. According to Section B of the University of Toronto’s *Code of Behaviour on Academic Matters* which all students are expected to know and respect, it is an offence for students:

- To obtain unauthorized assistance on any assignment.
- To provide unauthorized assistance to another student. This includes showing another student completed work (e.g., an answer in a test).
- To falsify or alter any documentation required by the University. This, includes, but is not limited to, doctor’s notes.
- To use or possess an unauthorized aid in any test or exam.

There are other offences covered under the Code but these are by far the most common. Please respect these rules and the values which they protect.

**Lectures, HWs, Chapters, Test & Paper Dates**

Having problems downloading the Excel Model? Solution 1: Don’t use Microsoft’s Internet Explorer; instead try using Firefox. Solution 2: Download the file and change the file extension from .zip to .xlsm. For example if the file name reads model.zip click on the file name once, and change ".zip" to ".xlsm".

~ September 2010 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11



~ September 2010 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
12	13	14	15	16	17	18
	Introduction & Unconstrained Optimization  <u>Lecture 1</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)	Introduction & Unconstrained Optimization  <u>Lecture 1</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)	Introduction & Unconstrained Optimization  <u>Lecture 1</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)	<u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	<u>HW 1</u>  Please read the HBS case <i>The Prestige Telephone Company</i>	

~ September 2010 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
19	20	21	22	23	24	25
	Unconstrained & Equality Constrained Optimization (Lagrangian)  <u>Lecture 2</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)  Please read the HBS case <i>The Prestige Telephone Company</i>	Unconstrained & Equality Constrained Optimization (Lagrangian)  <u>Lecture 2</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)  Please read the HBS case <i>The Prestige Telephone Company</i>  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	Unconstrained & Equality Constrained Optimization (Lagrangian)  <u>Lecture 2</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)  Please read the HBS case <i>The Prestige Telephone Company</i>  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	<u>Ajaz Office Hours</u> 5 – 6 in <u>GE</u> 212	<u>HW 2</u>  Please read the HBS case <i>The Prestige Telephone Company</i>  <u>Ajaz Office Hours</u> 2 – 3 in <u>GE</u> 212	

~ September 2010 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	Notes:	
	Inequality Constrained Optimization (Kuhn-Tucker)  <u>Lecture 3</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)	Inequality Constrained Optimization (Kuhn-Tucker)  <u>Lecture 3</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)  T 4 – 6 pm now meets in MP 102  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	Inequality Constrained Optimization (Kuhn-Tucker)  <u>Lecture 3</u>  <u>Excel Model</u> (Please enable macros)  <u>Chapter 1</u> (draft #2)  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	<u>Optional Excel Class</u> 5 – 8 pm in <u>SS</u> 2102  <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	<b>Excel Session:</b> I will be using Excel 2007 (PC-Windows). As such, if you're using another version of Excel or a Mac, there may be some differences in commands and the layout.  Please add-in "Data Analysis (VBA)" and "Solver" tools and enable the "Developer Tab" (see "help" in Excel)  I will cover the following topics: formulas (including relative and absolute addresses), "algebraic" calculations, Data Tables, 3-D plots, 2-D plots (including fitting a trendline), Regressions, How to "pull" data from websites (say Google finance), Sliders and pull down menus, Macros, Simple formatting, and Solver.	

~ October 2010 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
					<u>HW 3</u>  <u>Optional Excel Class</u> 5 – 8 pm in <u>SS</u> 2102	

~ October 2010 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
3	4	5	6	7	8	9
	<p>Consumption sets, Preferences, Felicity plots Utility Functions, Monotonic Transformations, Indifference Curves.</p> <p align="center"><u>Lecture 4</u></p> <p align="center"><u>Chapter 2 (draft #2)</u></p> <p align="center"><u>Excel Model</u> (Please enable macros)</p> <p align="center"><u>Models tell us more than hindsight</u></p>	<p>Consumption sets, Preferences, Felicity plots Utility Functions, Monotonic Transformations, Indifference Curves.</p> <p align="center"><u>Lecture 4</u></p> <p align="center"><u>Chapter 2 (draft #2)</u></p> <p align="center"><u>Excel Model</u> (Please enable macros)</p> <p align="center"><u>Models tell us more than hindsight</u></p> <p align="center"><u>TA Office Hours</u> 2 – 3 in <u>GE 213</u></p>	<p>Consumption sets, Preferences, Felicity plots Utility Functions, Monotonic Transformations, Indifference Curves.</p> <p align="center"><u>Lecture 4</u></p> <p align="center"><u>Chapter 2 (draft #2)</u></p> <p align="center"><u>Excel Model</u> (Please enable macros)</p> <p align="center"><u>Models tell us more than hindsight</u></p> <p align="center"><u>TA Office Hours</u> 9 – 10 in <u>GE 40</u> 4 – 5 in <u>GE 213</u></p>	<p align="center"><u>Ajaz Office Hours</u> 1 – 3 in <u>GE 212</u></p>	<p align="center"><u>HW 4</u></p> <p align="center">DEADLINE to let Asad know if you have a direct conflict with Test 1. Please <u>e-mail</u> the head TA Asad Priyo withj your name and ID #.</p>	

~ October 2010 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
10	11	12	13	14	15	16
	<p align="center"><b>HOLIDAY</b></p> <p align="center">Monday sections: Please attend one of the sections on Tue or Wed. The Tue 4 – 6 and Wed 6 – 8 are in large rooms. I strongly suggest coming to Tue 4 – 6 lest there is a last minute rush for the Wed 6 – 8 room.</p>	<p>Monotone preferences, MRS, Insights into Special Utility Functions, Convex sets and convex preferences</p> <p>Lecture 5</p> <p><u>Chapter 2 (draft #2)</u></p> <p><u>Netflix: Darkening Picture</u></p> <p><u>TA Office Hours</u> 2 – 3 in <u>GE 213</u></p>	<p>Monotone preferences, MRS, Insights into Special Utility Functions, Convex sets and convex preferences</p> <p>Lecture 5</p> <p><u>Chapter 2 (draft #2)</u></p> <p><u>Netflix: Darkening Picture</u></p> <p><u>TA Office Hours</u> 9 – 10 in <u>GE 40</u> 4 – 5 in <u>GE 213</u></p>	<p><u>Ajaz Office Hours</u> 1 – 3 in <u>GE 212</u></p>	<p>Test 1 (Covers material from L1 – L5)</p> <p>6 - 8 pm in EX 100 and EX 200.</p> <p>If you have a direct conflict, please <u>e-mail</u> the head TA Asad Priyo <u>one week before the test.</u></p>	

~ October 2010 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
17	18	19	20	21	22	23
	Nominal and real prices, Budget constraint, Utility Maximization Problem (UMP), Consumer Choice: Interior and Boundary Solutions, Demand Functions, Marginal Utility of Income  Lecture 6	Nominal and real prices, Budget constraint, Utility Maximization Problem (UMP), Consumer Choice: Interior and Boundary Solutions, Demand Functions, Marginal Utility of Income  Lecture 6  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	Nominal and real prices, Budget constraint, Utility Maximization Problem (UMP), Consumer Choice: Interior and Boundary Solutions, Demand Functions, Marginal Utility of Income  Lecture 6  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	<u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	HW 5	
24	25	26	27	28	29	30
	Lecture 7	Lecture 7  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	Lecture 7  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	<u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	HW 6	
31	<b>Notes:</b>					

~ November 2010 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Lecture 8	2 Lecture 8 <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	3 Lecture 8 <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	4 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	5 HW 7	6
7	8 HOLIDAY	9 HOLIDAY	10 No Wednesday Lecture	11 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	12 HW 8	13
14	15 Lecture 9	16 Lecture 9 <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	17 Lecture 9 <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	18 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	19 HW 9	20
21	22 Lecture 10	23 Lecture 10 <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	24 Lecture 10 <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	25 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	26 HW 10 <b>DEADLINE to let Asad know if you have a direct conflict with Test 2. Please e-mail the head TA Asad Priyo withj your name and ID #.</b>	27

~ November 2010 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29  Lecture 11	30  Lecture 11  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	Notes:			

~ December 2010 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1  Lecture 11  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	2  <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	3  Test 2 6 - 8 pm in EX 100 and EX 200. If you have a direct conflict, please <u>e-mail</u> the head TA Asad Priyo <u>one week before the test.</u>	4
5	6  Lecture 12	7  Lecture 12  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	8	9	10	11



~ December 2010 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	Notes:

~ January 2011 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8

~ January 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
9	10  Lecture 13	11  Lecture 13  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	12  Lecture 13  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	13  <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	14  HW 11	15
16	17  Lecture 14	18  Lecture 14  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	19  Lecture 14  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	20  <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	21  HW 12	22
23	24  Lecture 15	25  Lecture 15  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	26  Lecture 15  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	27  <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	28  HW 13	29

~ January 2011 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31  Lecture 16	Notes:				

~ February 2011 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1  Lecture 16  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	2  Lecture 16  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	3  <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	4  HW 14	5
6	7  Lecture 17	8  Lecture 17  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	9  Lecture 17  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	10  <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	11  HW 15  <b>DEADLINE to let Asad know if you have a direct conflict with Test 1. Please e-mail the head TA Asad Priyo withj your name and ID #.</b>	12

~ February 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
13	14 Lecture 18	15 Lecture 18  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	16 Lecture 18  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	17 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	18  Test 3 6 - 8 pm in EX 100 and EX 200. If you have a direct conflict, please <u>e-mail</u> the head TA Asad Priyo <u>one week</u> <u>before the</u> <u>test.</u>	19
20	21  HOLIDAY	22	23	24	25	26
27	28  Lecture 19	Notes:				

~ March 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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~ March 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		<p><b>1</b></p> <p>Lecture 19</p> <p><u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213</p>	<p><b>2</b></p> <p>Lecture 19</p> <p><u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213</p>	<p><b>3</b></p> <p><u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212</p>	<p><b>4</b></p> <p>Soft copy of group paper due at Turnitin</p> <p>Hard copy of group paper and CD/USB due in GE 213 between 10 am – noon.</p> <p>HW 16</p>	<b>5</b>
<b>6</b>	<p><b>7</b></p> <p>Lecture 20</p>	<p><b>8</b></p> <p>Lecture 20</p> <p><u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213</p>	<p><b>9</b></p> <p>Lecture 20</p> <p><u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213</p>	<p><b>10</b></p> <p><u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212</p>	<p><b>11</b></p> <p>HW 17</p>	<b>12</b>
<b>13</b>	<p><b>14</b></p> <p>Lecture 21</p>	<p><b>15</b></p> <p>Lecture 21</p> <p><u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213</p>	<p><b>16</b></p> <p>Lecture 21</p> <p><u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213</p>	<p><b>17</b></p> <p><u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212</p>	<p><b>18</b></p> <p>HW 18</p>	<b>19</b>

~ March 2011 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
20	21 Lecture 22	22 Lecture 22  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	23 Lecture 22  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	24 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	25 HW 19	26
27	28 Lecture 23	29 Lecture 23  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	30 Lecture 23  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213	31 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	Notes:	

~ April 2011 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 HW 20	2

~ April 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
3	4 Lecture 24	5 Lecture 24  <u>TA Office Hours</u> 2 – 3 in <u>GE</u> 213	6 Lecture 24  <u>TA Office Hours</u> 9 – 10 in <u>GE</u> 40 4 – 5 in <u>GE</u> 213  Cumulative Makeup Test for students excused from tests due to valid medical reasons (3 - 5 pm in my office) There is no makeup for the makeup test	7 <u>Ajaz Office Hours</u> 1 – 3 in <u>GE</u> 212	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23

~ April 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
24	25	26	27	28	29	30

~ May 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28



~ May 2011 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	Notes:			