Econ 6112: Fundamentals of Microeconomics

Dr. Jesse Bull
Office: DM 321
Office Hours: T TH 12:30 to 1:30pm
Email: bullj@fiu.edu
Phone: 305-348-3893

Lecture: T TH 11am – 12:15pm, SIPA 200, Fall 2015.

Examinations: There will be a midterm examination (September 29th) and a final examination at the University scheduled time, which appears to be December 8th from 9:45am to 11:45am in GL 166.

Grading: based on midterm (about 40%) and final (about 60%)

Course Objectives: This course will focus on microeconomic theory. Conceptual and fundamental understanding will be emphasized. Success in this course will require the development of your intuition and mathematical problem solving skills. A strong understanding of mathematical concepts, such as multivariate calculus, will be essential.

Although homework will not be graded, it is the best practice for the exams. I strongly encourage you to do many problems in order to understand the abstract concepts that we will cover.

Learning Outcomes: As a result of this course it will be possible to analyze problems faced by consumers in their selection of goods and services when they possess a great deal of information at their disposal and in basic settings with more limited information. In addition the analysis pertains to both static and dynamic settings. Producers output and input decisions will be soluble. It will be possible to analyze cost minimization and profit maximization problems in both the short and long runs. This course also provides a framework to determine the prices and quantities of goods and services in a market setting that is competitive and one that is monopolistic. Further it will be possible to analyze the optimality or social welfare properties, and considerations of market failure such as public goods and externalities.

Required Readings:

Mas-Colell, Whinston, and Green is a very thorough text that is a very good reference. My lectures will provide more intuition. However, you may still find other
texts helpful for providing more intuition. One such text (especially for consumer and producer theory) is


or an earlier edition, such as,


Should we progress quickly enough that we cover some game theory, another text that you will find to be very helpful by providing an appropriate level of formality and good intuition is

**Administrative Issues:**

1. If you have a documented disability, please bring your documentation and come to talk to me as soon as possible so that I can make suitable accommodations for you. If you believe that you have a disability and desire accommodation, please register with the Disability Resource Center, GC 190 as soon as possible. For information on the steps for academic accommodation, please see http://drc.fiu.edu/.

2. Any student found guilty of academic dishonesty will earn a grade of an F for the course. In addition to this academic sanction that I will impose, the Dean’s Office will be asked to also impose a disciplinary penalty.

3. You will only need a pen or pencil for exams. Exams are closed book and you may not use notes. Exams are completely electronic-free: no calculators, headphones, cell phones, ipods, etc. are to be used during an exam.

4. If you arrive late to an exam, I will allow you to take the exam in the time that remains as long as no one has turned in his/her exam and left the room. If a classmate has already turned in his/her exam and you arrive late, you will earn a zero on the test.

5. Any request for a regrade of an exam must be made within one week of the exam being returned. If there is a mistake adding up the points on your exam and it is brought to my attention within one week of the exam being returned, I will correct it. However, if you believe an exam has not been graded properly and you request a regrade within one week of the exam being returned, I will regrade your entire exam. The regraded score will be your grade for the exam. You may not ask for another regrade or go back to your first grade.

To request a regrade, you must write a brief explanation (on a separate sheet of paper) that states which problem you believe was incorrectly graded, describes the part of your answer you believe warrants additional points, and is signed (and dated) by you. You may not ask for a regrade of your exam if you have added to or changed any answer on your exam.
Topics

1. Consumer Theory
   (a) Consumer Preferences
      i. Axioms of rational choice
      ii. Utility functions
      iii. Level curves of utility functions—indifference curves
      iv. Marginal rate of substitution
   (b) Common Utility Functions: Cobb-Douglas, Leontief, Perfect Substitutes, CES
   (c) The Budget Constraint
   (d) Utility Maximization and Demand Functions
   (e) Comparative Statics of Demand
      i. Income Changes
      ii. Price changes (income and substitution effects)
      iii. Compensated price changes and compensated demand functions
      iv. Slutsky equation
      v. Demand relationships among goods
      vi. Measures of consumer welfare

2. Producer Theory
   (a) Production, cost, and profit maximization
   (b) Duality
   (c) Supply

3. The Value of Exchange
   (a) Gains from trade, efficiency
   (b) Prices and equilibrium, existence and efficiency

4. Monopoly
   (a) Sources of monopoly power
   (b) Behavior and welfare implications
   (c) More sophisticated monopoly behavior
   (d) Regulation and antitrust
5. Public goods

6. Externalities

7. Other topics (such as an introduction to game theory) as time permits