

Economics 14A - Introduction to Microeconomics I

University of Colorado, Boulder - Fall 2016
Mon-Wed, 9:30am-10:45am, Economics 119

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Syllabus - Version 1.0

Description of the Course

The objective of this course is to get you acquainted with the techn

Your final grade in the class will be determined as a weighted average of your grade in the problem sets (20%),

Econ 7020, Fall 2016, Topics Outline

1. Dynamic Methods (I)

(a) Convex Constrained Optimization and the Kuhn-Tucker Theorem

(b) Application: Two-Period Economy

i. Two-Period Consumer's Problem: Substitution, Income and Wealth Effects

ii. General Equilibrium: A Pure Exchange Economy

iii. General Equilibrium: A Production Economy

(c) Optimization with Infinite Horizon

2. The Neo-Classical Growth Model (Ramsey-Cass-Koopmans)

(a) The Planner's Problem

i. Steady State Analysis

ii. Dynamic Analysis

- (c) Application: Search and Matching Models**
 - i. McCall's Search Model of Unemployment**
 - ii. Diamond-Mortensen-Pissarides Matching Model**
 - iii. Kyiotaki-Wright Search Model of Money**

4. Markets

- (a) Complete Markets**
 - i. Arrow-Debreu Economy**
 - ii. Sequential Trading**
 - iii. Recursive Competitive Equilibrium**
- (b) Asset Pricing**
 - i. Lucas-Tree Model**
 - ii. Equity Premium Puzzle**
- (c) Incomplete Markets: Overlapping Generations Models**