

Syllabus

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Course: Microeconomics I

Professor:

2017 FIRST SEMESTER

PROGRAM

Microeconomics I presents the basic elements of Microeconomic Theory. The course begins with an introduction to nonlinear programming, followed by an exposition to preferences and choice, classical demand theory, and choice under uncertainty. The problem sets cover some supplementary material. The emphasis on mathematical rigor will be great.

BIBLIOGRAPHY

JEHLE, G. A., and RENY, P. J., *Advanced Microeconomic Theory, third edition*, Prentice Hall, 2011.

MAS-COLELL, A., WHINSTON, M. D. and GREEN, J. R., *Microeconomic Theory*, Oxford, 1995.

GRADING

Midterm and Final Exam based on the problem sets.

PROFESSOR - EMAILS

DETAILED PROGRAM

Nonlinear Programming:

Concave Functions

Quasi-Concave Functions

Other Functions

Kuhn-Tucker Conditions

Preferences and Choice:

Preference Relations

Utility Functions

Choice Rules

Classical Demand Theory:

Utility Maximization;

Expenditure Minimization;
Slusky's Equation;
Integrability.

Choice Under Uncertainty:

Expected Utility;
Risk Aversion;
Stochastic Orders;
Subjective Probabilities.