Syllabus

[cmcd.economia@fgv.br]

Course: Microeconomics I
Professor:

FIRST SEMESTER, 2026

COURSE OUTLINE

Microeconomics I is an introduction to Choice and General Equilibrium. It begins with a brief discussion of choice in an abstract setting. It then discusses classical demand theory and choice under uncertainty. Following that, it introduces General Equilibrium Theory. It concludes by breaking your heart with Social Choice Theory. The problem sets are an integral part of the course. They both serve to test and expand your understanding of the material. The emphasis on mathematical rigor will be great.

DETAILED PROGRAM

Preferences and Choice
Preference Relations
Utility Functions
Choice

Classical Demand Theory
Utility Maximization
Expenditure Minimization
Slutsky's Equation
Integrability and Revealed Preference

Choice under Uncertainty
Expected Utility
Risk Aversion (Utility for Money)
Stochastic Orders
Subjective Probabilities (**)

General Equilibrium
Exchange Economies
Walrasian Equilibrium
First and Second Welfare Theorems
Production Economies
Time and Uncertainty

Social Choice
Arrow's Impossibility Theorem
Gibbard-Satterthwaite Theorem (**)
The Liberal Paradox (*)

(*) Time permitting
(**) Very briefly

BIBLIOGRAPHY

LECTURE NOTES

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

Summer Course (Math, 20%), Problem sets (20%), and Final Exam (60%). The latter is based on the problem sets.

Students who fail the course are entitled a substitute exam ("re-aval") taking place either on April 22nd or on April 23rd. The final grade of such students is either the minimum passing grade, if they pass the re-aval, or their original failing grade.

PROFESSOR

Office:
E-mail: