

# Syllabus

[cmcd.economia@fgv.br]

**Course:** Microeconomics I

**Professor:**

**FIRST SEMESTER, 2025**

## **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, we break your heart with Social Choice Theory. We conclude with an introduction to General Equilibrium. 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 (\*)

## **Social Choice**

Arrow's Impossibility Theorem

Gibbard-Satterthwaite Theorem (\*\*)

The Liberal Paradox (\*)

## **General Equilibrium**

Exchange Economies

Walrasian Equilibrium

First and Second Welfare Theorems

Time and Uncertainty (\*)

(\*) 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**

Problem sets (40%) 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 from May 5 to May 7. The final grade of such students is either the minimum passing grade, if they pass the re-aval, or their original failing grade.

## **PROFESSOR - EMAIL**

Braz

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