# Syllabus

[cmcd.economia@fgv.br]

**Course:** Microeconomics I
**Professor:**

## 2018 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

braz.camargo@fgv.br

### 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.