

## Syllabus

[cmcd.economia@fgv.br]

**Course Name:** Decision Theory

**Faculty:**

**2026 FOURTH SEMESTER**

### COURSE OUTLINE

This course is about stochastic choice—models where choices are random. Among such models are included Logit, Probit, models of rational inattention, etc. The idea is to understand such models by identifying key properties that are necessary and sufficient for a probabilistic prediction to be representable by the model.

The course will have two parts. In the first part, we will have lectures following the textbook. In the second part, we will have presentations and discussions of recent papers.

### COURSE PROGRAM

Static Choice  
Risk and Learning  
Dynamic Choice  
Discrete Choice

### BIBLIOGRAPHY

The main book that we will use is Tomasz Strzalecki's "Stochastic Choice Theory". We may also draw from David Kreps' "Notes on the Theory of Choice". For the second part, we will use mostly recent research papers, and a list of papers will be given.

### GRADING

Students will be evaluated based on a written report and an oral presentation about a selected paper.

### CONTACT