

# COURSE DETAIL

## MARKET DESIGN

**Country**

France

**Host Institution**

Institut d'Etudes Politiques (Sciences Po)

**Program(s)**

Sciences Po Paris

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Economics

**UCEAP Course Number**

133

**UCEAP Course Suffix****UCEAP Official Title**

MARKET DESIGN

**UCEAP Transcript Title**

MARKET DESIGN

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course explores the theory and practice of market design. Economists study market mechanisms, and are also involved in the design of markets. Key examples include auctions to sell electricity, radio spectrum, or procurement contracts; mechanisms to sell internet advertising; online marketplaces; algorithms to match candidates to jobs, students to schools, or allocate courses to students; organ exchange systems. The field of market design studies how to choose the rules of mechanisms that solve such allocation problems, or how to organize successful marketplaces. It builds on the tools of game theory and mechanism design. This course explains the underlying theory in an intuitive way, and discusses actual designs. The goal is to understand why some market institutions succeed and other fail. The course is based on lectures to expose the theory, and class discussion of applications.

### Language(s) of Instruction

English

### Host Institution Course Number

DECO 25A28

### Host Institution Course Title

MARKET DESIGN

### Host Institution Course Details

#### Host Institution Campus

Paris

#### Host Institution Faculty

#### Host Institution Degree

#### Host Institution Department

Economics

## Course Last Reviewed

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