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 Campus

Paris

Host Institution Faculty

Host Institution Degree

Host Institution Department

Economics

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