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## Introduction

The course will cover several frontier topics of research in economics. We will explore in particular the impact of digital technology on consumers, firms and markets, both real and financial. Technology changes the behavior of economic actors and poses a challenge for regulators. We will look at the influence of technology on -and interaction with- competition, firm strategy, information use and acquisition, behavioral constraints of economic agents, and market structure. A second main theme will be the study of new developments in oligopoly theory and applications with particular attention to ownership structure and innovation incentives. Finally, it will address the role of government, regulation and competition policy. The course will offer the necessary tools for research with ample application in different fields.

The program will include sessions on

- information technology and bank competition in lending,
- information sharing and aggregation in markets,
- the impact of bounded rationality on trading,
- high frequency trading and platform competition in financial markets,
- liquidity and treasury auctions,
- oligopoly in general equilibrium and macroeconomic effects,
- ownership structure and pricing and innovation incentives, and
- competition policy and regulation in digital markets.