Digital Finance

ECTS : 3

Description du contenu de l'enseignement :

The coordination problem: firms or markets?

The types of information problems: Imperfect information, asymmetric information, and behavioral biases
How does digitalization solve the imperfect information problem? Examining information flows in markets and firms.

How does digitalization solve the asymmetric information problem ?

- •Mechanisms to induce trust through technology
- •Mechanisms to bypass the need for trust: Distributed ledgers: Bitcoin, Blockchain and beyond

How does digitalization help in dealing with behavioral biases?
- •AI and machine learning
- •Taking advantage of behavioral biases for manipulation
- •Data privacy

Compétence à acquérir :

Cours en anglais, sur 3 lundis, en commun avec le M 104
Over the last decade, the speed of technological change has accelerated. New technologies appear and disappear every few months. Exotic new technologies - initial coin offerings, cryptocurrencies, blockchains, smart contracts, AI - and intermediaries – P2P platforms, retail platforms - are being introduced (and in some cases, disappearing) rapidly. In the last year, workforces all over the world have had to deal rapidly with working remotely vs. working in an office.
How should we make sense of all these changes? How can we adapt to a rapidly changing world ?

Mode de contrôle des connaissances :

Participation and final exam = individual essay

Document susceptible de mise à jour - 25/02/2026
Université Paris Dauphine - PSL - Place du Maréchal de Lattre de Tassigny - 75775 PARIS Cedex 16

1/1