Financial Technologies (FinTech)
2022-2023 academic year

Sergey Kovbasyuk
New Economic School
skovbasyuk@nes.ru

Course description

This course will cover applications of modern technologies in finance: robo-advisors, credit scoring with alternative data, decentralized lending platforms and crowdfunding, insuretech, modern payment systems, regtech.

Course requirements, grading, and attendance policies

The final grade will be based on the final exam (60%), and home assignments (40%).

Course contents

The course will cover the following topics
1. Lending platforms and crowdfunding.
2. Robo-advisors.
3. Insuretech.
4. Rating agencies, feedback and rating systems.
5. Digital and cryptocurrencies.
6. RegTech.
7. Modern payment systems.

Description of course methodology

Main concepts will be introduced during lectures; the final exam will be based on the material covered during lectures and on the extra material provided for the class.

Course materials

1. The Fintech Opportunity, Thomas Philippon, BIS Working paper 2016.
2. Big tech in finance and new challenges for public policy, Keynote address by Agustín Carstens Bank for International Settlements 2018.
3. Has the U.S. Finance Industry Become Less Efficient? On the Theory and Measurement of Financial Intermediation, Thomas Philippon, AER 2015.
4. On the Rise of FinTechs – Credit Scoring using Digital Footprints, Tobias Berg, Valentin Burg, Ana Gombovic, Manju Puri, Working paper 2018.
5. Learning through Crowdfunding, Gilles Chemla, and Katrin Tinn, Management Science (forthcoming).
6. Adverse Incentives in Crowdfunding, Thomas Hildebrand, Manju Puri, and Jörg Rocholl, Working paper 2014.
7. Marketplace Lending, Information Aggregation, and Liquidity, Julian R. Franks, Nicolas Andre Benigno Serrano-Velarde, Oren Sussman, WP 2016.
8. Screening on loan terms: evidence from maturity choice in consumer credit, A Hertzberg, A Liberman, D Paravisini, The Review of Financial Studies, 2018
9. Screening Peers Softly: Inferring the Quality of Small Borrowers, I. Khwaja, A. Luttmer, and K. Shue, Management Science, 62, 6, 2015, pp. 1554-1577.

10. Experimentation and the Returns to Entrepreneurship, Gustavo Manso, The Review of Financial Studies, Volume 29, Issue 9, September 2016, Pages 2319–2340,
11. Entrepreneurship as Experimentation, William R. Kerr, Ramana Nanda, Matthew Rhodes-Kropf, Journal of Economic Perspectives vol. 28, no. 3, Summer 2014
12. Recommender Systems as Mechanisms for Social Learning, Yeon-Koo Che, Johannes Hörner, The Quarterly Journal of Economics, Volume 133, Issue 2, May 2018, Pages 871–925.
13. A Theory of Crowdfunding - a mechanism design approach with demand uncertainty and moral hazard, R. Strausz, 2017, American Economic Review, 107, 6, 1430-1476.

Academic integrity policy

Cheating, plagiarism, and any other violations of academic ethics at NES are not tolerated.