International Banking, Cryptocurrencies and Big Data | ECP88253, ECP77613, ECP77623

Year	1
ECTS Credits	5
Contact Hours	10 hours of lectures and 5 hours of tutorials
Pre-Requisite	One module in Money and Banking
Semester	2
Module Leader and Lecturer	Professor Maylis Avaro
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Module Outline:

How does money move across borders? Can cryptocurrencies and blockchain technology disrupt the international payment system? This module introduces students to the operations of global banks and the management of global liquidity and international monetary spillovers. Key topics include the utilization of Big Data by global banks for monitoring cross-border payments and by regulators for assessing international financial stability. The module discusses the latest innovations in cross-border payments, including the impact of the development of fintech and cryptocurrencies.

Topics covered include:
1. The Expansion of International Banking
2. Cross-border payments
3. Foreign Exchange Markets
4. International Investment Banking
5. The Regulation of International Banking Institutions
6. The rise of Fintech
7. Cryptography and payment security
8. Blockchains features
9. Stablecoins
10. Crypto exchanges
11. Smart contracts

Module Learning Outcomes:

Students will learn practical skills for analysing banking data and to study transactions in cryptocurrencies. They will use the SQL language to collect big data cryptocurrencies movements on the different blockchains.

Assessment:

Assessment comprises 50% continuous assessment and a 50% project.

Recommended Reading List:

Smith, R. C., Walter, I., & DeLong, G. (2012). Global Banking (Third Edition, Third Edition). Oxford University Press., part I and III.