

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS							
G456	FinTech and Blockchain	8	3	3	0	3	5							
Prerequisites														
Admission Requirements														
Language of Instruction	Turkish													
Course Type	Elective													
Course Level	Bachelor Degree													
Objective	This course aims to introduce fundamental topics of FinTech and blockchain practices. This course aims for students to analyse and comprehend current transformations in finance from a critical perspective and to make future projections accordingly.													
Week 1. Monetary Policy: General Outlook														
Week 2. FinTech Ecosystem: Introduction														
Week 3. FinTech Ecosystem: Value Creation														
Week 4. Digital and Alternative Finance														
Week 5. Technologic Trends in Finance and Payment Systems														
Week 6. FinTech Regulations and Cyber Security														
Week 7. FinTech Entrepreneurship														
Week 8. Blockchain Philosophie and Cryptocurrencies														
Week 9. Cryptocurrencies: Working Mechanism – I														
Week 10. Cryptocurrencies: Working Mechanism – II														
Week 11. Cryptocurrencies: Opportunities and Threats														
Week 12. Tokenization, ICO and DeFi														
Week 13. Presentations														
Week 14. The Future of the Ecosystem: Where were we? Where are we? Where are we going?														
Weeks [1, 7]:														
Chishti, S., & Barberis, J. (2016). The Fintech book: The financial technology handbook for investors, entrepreneurs and visionaries. John Wiley & Sons.														
References														
Weeks [8, 14]:														
Usta, A., & Doğantekin, S. (2019). Blockchain 101. Bankalararası Kart Merkezi														
Sert, T. (2019). Sorularla Blockchain. Türkiye Bilişim Vakfı														

Theory Topics

Week	Weekly Contents
1	Monetary Policy: General Outlook
2	FinTech Ecosystem: Introduction
3	FinTech Ecosystem: Value Creation
4	Digital and Alternative Finance
5	Technologic Trends in Finance and Payment Systems
6	FinTech Regulations and Cyber Security
7	FinTech Entrepreneurship
8	Blockchain Philosophie and Cryptocurrencies
9	Cryptocurrencies: Working Mechanism – I
10	Cryptocurrencies: Working Mechanism – II
11	Cryptocurrencies: Opportunities and Threats
12	Tokenization, ICO and DeFi
13	Presentations
14	The Future of the Ecosystem: Where were we? Where are we? Where are we going?