

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.						
Content	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?						
References	Weeks [1, 7]:						
	Chishti, S., & Barberis, J. (2016). The Fintech book: The financial technology handbook for investors, entrepreneurs and visionaries. John Wiley & Sons.						
	Weeks [8, 14]:						
	Usta, A., & Doğanterkin, 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
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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?