**Content**

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
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| G456 | FinTech and Blockchain | 6 | 3 | 3 | 0 | 3 | 5 |

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| Prerequisites | |
| Admission Requirements | |

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| 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<br>Week 2. FinTech Ecosystem: Introduction<br>Week 3. FinTech Ecosystem: Value Creation<br>Week 4. Digital and Alternative Finance<br>Week 5. Technologic Trends in Finance and Payment Systems<br>Week 6. FinTech Regulations and Cyber Security<br>Week 7. FinTech Entrepreneurship<br>Week 8. Blockchain Philosophie and Cryptocurrencies<br>Week 9. Cryptocurrencies: Working Mechanism – I<br>Week 10. Cryptocurrencies: Working Mechanism – II<br>Week 11. Cryptocurrencies: Opportunities and Threats<br>Week 12. Tokenization, ICO and DeFi<br>Week 13. Presentations<br>Week 14. The Future of the Ecosystem: Where were we? Where are we? Where are we going? |
| References | Weeks [1, 7]:<br>Chishti, S., & Barberis, J. (2016). The Fintech book: The financial technology handbook for investors, entrepreneurs and visionaries. John Wiley & Sons.<br><br>Weeks [8, 14]:<br>Usta, A., & Doğantekin, S. (2019). Blockchain 101. Bankalararası Kart Merkezi<br>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 |

| Week | Weekly Contents |
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| 14 | The Future of the Ecosystem: Where were we? Where are we? Where are we going? |