

**School of Communication / New Media and Communication Systems**

**2024 - 2025 Academic Year**

**BLOCKCHAIN**

**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
BLOCKCHAIN	YMI3214132	Spring Semester	3+0	3	5
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Assist.Prof. Olga UNTİLA KAPLAN				
<b>Name of Lecturer(s)</b>					
<b>Assistant(s)</b>					
<b>Aim</b>	The aim of the course is to describe the meaning of Blockchain, Bitcoin and Crypto Currencies that are getting common day by day in the contemporary world. In addition to that volume of crypto currencies, the process of crypto mining and the possible scenarios of blockchain system will be examine.				
<b>Course Content</b>	This course contains; Introduction,A basic approach to terminology and discussion about the key terms,How the Blockchain System can describe ?,Is the system safe and effective ?,What are the crypto currencies?,An approach to crypto currency mining,How to buy and use Bitcoin and other cryptos? How Digital Walletswork?,Mid-term, What can you do with crypto currencies and how are they useful?,The place of crypto currencies on the World,The supply of crypto currencies De-Fi, Interraction of banking system and crypto currencies,NFT Metaverse,Project Presentations.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
At the end of this course, student will;1. Have foundation about Blockchain System,2. Will notice where and how Blockchain Technology is used.3. Be taught how crypto currencies producing, 4. Understand what kind of markets that bitcoin and other crypto's can access,5. Understand the basics of cryptocurrency mining,6. Define how crypto currencies and the blockchain will change the World and how it changed our lifes,7. Examine how can the world economic system be changed around the blockchain system, 8. Be taught what is the new digital security measures,9. Have a new opinion how the bank system can be transform.			10, 11, 13, 14, 16, 19, 2, 20, 23, 4, 9	A, D, E	
<b>Teaching Methods</b>	10: Discussion Method, 11: Demonstration Method, 13: Case Study Method, 14: Self Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 2: Project Based Learning Model, 20: Reverse Brainstorming Technique, 23: Concept Map Technique, 4: Inquiry-Based Learning, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, D: Oral Exam, E: Homework				
<b>Lecture Schedule</b>					
<b>Sequenc e</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction	Introduction to Blockchain Slide Presentation, pp.1-33.			
2	A basic approach to terminology and discussion about the key terms	Recommended Source: Ahmet Usta, Serkan Doğantekin, BlochChain 101, First 20 pages.			
3	How the Blockchain System can describe ?	Recommended Reading: Ahmet Usta, Serkan Doğantekin, BlochChain 101, First 40 pages.			
4	Is the system safe and effective ?	Recommended Source: Ahmet Usta, Serkan Doğantekin, BlochChain 101, First 50 pages.			
5	What are the crypto currencies?	Önerilen Kaynak: Paul Vigna, Michael J. Casey, 2017, İlk 25 Sayfa.			
6	An approach to crypto currency mining	Recommended Reading: Paul Vigna, Michael J. Casey, 2017, First 50 Pages.			
7	How to buy and use Bitcoin and other cryptos? How Digital Walletswork?	Recommended Source: Levent Kurt, Cryptocurrency Bitcoin, 2015, First 25 Pages.			
8	Mid-term	Repetition of course content.			
9	What can you do with crypto currencies and how are they useful?	Presentations by guest-operators (businessmen) using Bitcoin and cryptocurrencies.			
10	The place of crypto currencies on the World	Presentations by guest-operators (businessmen) using Bitcoin and cryptocurrencies-II			
11	The supply of crypto currencies De-Fi	Slide Presentation, pp. 1-33.			
12	Interraction of banking system and crypto currencies	Cryptocurrencies and Banks: Presentations of Bank Representatives			
13	NFT Metaverse	Academic Studies or Media Content on Metaverse Sourced from the Internet.			
14	Project Presentations	Review of Course Contents. Field Study.			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

**Resources**

BlockChain 101, Ahmet Usta, Serkan Doğantekin, 2017  
 The Age of Cryptocurrency: How Bitcoin and the Blockchain Are Challenging the Global Economic Order, Paul Vigna , Michael J. Casey, 2017  
 Bitcoin As a Crypto Currency, Levent Kurt, 2015