



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Blockchain and Crypto Currency Technologies							
Course Code		ISL319		Couse Level		First Cycle (Bachelor's Degree)			
ECTS Credit	5	Workload	122 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		It is aimed to convey basic information about the infrastructure of blockchain and crypto currency technology.							
Course Content		With this course, students will learn the basic concepts of blockchain and crypto currency. In addition, students will learn the basic definitions of blockchain and cryptocurrency technologies, as well as have the opportunity to have basic information about cryptocurrencies and their culture, identity and tools. This course will also be supported by guest speakers from the cryptocurrency industry.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Usta, A. ve Doğantekin, S. (2018). Blockchain 101 v.2. Bankalararası Kart Merkezi
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Week	Weekly Detailed Course Contents	
1	Theoretical	Overview of the blockchain technology
2	Theoretical	Blockchain working mechanism
3	Theoretical	Blockchain types
4	Theoretical	Blockchain 2.0
5	Theoretical	Introduction to cryptocurrency
6	Theoretical	Cryptocurrency history
7	Theoretical	Consensus setup / protocols
8	Intermediate Exam	Midterm Exam
9	Theoretical	Cryptographic hash function
10	Theoretical	Smart contracts
11	Theoretical	Blockchain applications (Blockchain 3.0)
12	Theoretical	The future of blockchain technology
13	Theoretical	Security on the blockchain
14	Theoretical	Cryptocurrencies and other applications
15	Theoretical	Cryptocurrency markets
16	Final Exam	Final Exam
17	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Midterm Examination	1	20	1	21
Final Examination	1	30	1	31
Total Workload (Hours)				122
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Teaching students what blockchain technology is
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2	Teaching students what cryptocurrencies are
3	Teaching students what the components of blockchain and cryptocurrency technology are. Theoretical introduction to these components
4	To enable students to master the concepts of blockchain and cryptocurrency technology
5	To have an idea about the future of blockchain and cryptocurrencies

Programme Outcomes (*International Trade and Finance*)

1	To become individuals having high intellectual capacity, improved social skills, positive thinking, the ability to adapt to different environments and institutions
2	To have technical equipment, flexible thinking and action ability and multiple language skills to be capable of working in international platforms
3	To be able to utilize the basic knowledge they obtained with an interdisciplinary approach to business, economics, etc. in creating expertise in the fields of International Trade and Finance in accordance with the requirements of the globalized business world
4	To develop suggested solutions and recommendations by informing the people and institutions predicting regional, national and international problems in the fields of international trade and finance with a proactive approach
5	To possess the ability of analytical thinking and the ability to synthesize with quantitative proficiency as required in the program
6	To have the characteristics to inquire and investigate the knowledge and skills acquired during the education process in relation to the requirements of existing market conditions
7	To identify and analyze the validity of theories related to the international trade and finance and their relationships regarding current conditions
8	To possess the knowledge of a second foreign language to the extent of their individual abilities, besides the competency in the English language to be able to communicate effectively
9	To have the qualifications of managing and being managed to solve existing and potential problems encountered in practice
10	To be able to organize activities that will contribute to the personal and professional development of the employees in the department where he/she holds an executive position

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4	4	4	3	3
P2	4	4	4	3	2
P3	3	4	4	4	2
P4	3	4	4	4	2
P5	3	4	4	4	3
P6	4	4	4	5	4
P7	4	4	5	4	5
P8	4	5	4	3	4
P9	3	4	4	3	4
P10	3	4	4	3	3

