Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 501	Microeconomics	1	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	
References	

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 501	Microeconomics	1	3	0	0	3	6

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 503	Financial Markets	1	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	
References	

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 509	Statistics and Econometrics	1	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	Comput and interpret: scatter plots and histograms. simple linear regression between two variables. Conditional probability, Bayes theorem Discrete and Continuous distributions
References	• R.S.Witte and J.S.Witte, Statistics, 11th ed. Wiley, 1997. • S. Ross, A first course in probability, 8th Edition, Pearson. • W. Feller, An Introduction to Probability Theory and Its Applications . • L.Gonick and W.Smith, The Cartoon Guide to Statistics, 1993

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 563	Blockchain and Virtual Currencies	1	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Elective
Course Level	Masters Degree
Objective	Bu ders blokzincir ve sanal para teknolojilerine bir giriş yapmayı hedeflemektedir.
Content	Bitcoin nasıl çalışır? Onu farklı kılan nedir? Bitcoin'leriniz ne kadar güvende? Bitcoin kullanıcıları ne kadar anonim? Bitcoin'i bir platform olarak kullanarak hangi uygulamaları oluşturabiliriz? Kripto paralar düzenlenebilir mi? Bugün yeni bir kripto para tasarlasaydık, neyi değiştirirdik?
References	https://bitcoinbook.cs.princeton.edu

Theory Topics

Week	Weekly Contents
1	Introduction to cryptocurrencies
2	Decentralization
3	Mechanism of bitcoin
4	Storage and usage
5	Mining
6	Anonymity
7	Alternative mining puzzles
8	MT exam
9	Altcoins as Platforms
10	Altcoins
11	The future of bitcoin
12	DAOs
13	History of digital currencies
14	Applications

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 513	Chaos and Finance	1	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Elective
Course Level	Masters Degree
Objective	
Content	
References	

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 513	Chaos and Finance	1	3	0	0	3	6

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 529	Macroeconomic Analysis and Conjuncture	1	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Elective
Course Level	Masters Degree
Objective	Bu dersin amacı öğrencilere makroekonomik gelişmeleri, ekonomide yaşanan dalgalanmaları ve uygulanan makroekonomik politikaları anlama ve analiz etme becerisi kazandırmaktır. Temel teorik altyapının yanında güncel ekonomik gelişmelerin incelemesi ve bu sayede öğrencilerin ekonomik gelişmelere bakış açısının zenginleştirilmesi amaçlanmaktadır.
Content	Ders içerisinde ekonomik dalgalanmaları açıklamakta kullanılan temel makro-ekonomik modeller ele alıncaktır. uzun dönem ekonomik performans, işgücü piyasası modelleri ve gelişmeleri, , tasarruf, tüketim ve yatırım kararları, varlık piyasalarının işleyişi, konjonktür dalgalarının yapısı ve nedenleri, ekonomi politikaları ve açık ekonomi makro modeller derste işlenecek konular arasındadır.
References	Abel, A.B, Bernanke, B.S, ve Croushure, D. (2017) "Makroekonomi" Efil Yayınevi

Williamson, S. (2018) "Macroeconomics", Global 6th Edition, Pearson

De Vroey, M. (2016). A history of macroeconomics from Keynes to Lucas and beyond. Cambridge University Press |

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 506	Financial Econometrics	2	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	
References	

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 510	Financial Crisis Management	2	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	
References	

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 514	Decision Making in Financial Markets	2	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	
References	

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 528	International Finance	2	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	
References	

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 508	Differential Markets	2	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Elective
Course Level	Masters Degree
Objective	
Content	
References	

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 531	İnternational markets and hedging instruments for agricultural commodities	2	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Elective
Course Level	Masters Degree
Objective	Bu derste uluslararası tarımsal ürün piyasalarında karşılaşılan kur ve fiyat dalgalanmalarının etkisinde ürün ve gelir kayıplarının minimize edilmesi için risk transfer araçlarının neler olduğu tanıtılmakta ve en çok ticarete konu olan seçilmiş ürünlerde hedging yöntemleri uluslararası piyasaların işleyişi içinde ortaya konulmaktadır
Content	Uluslararası piyasalarda karşılaşılan riskler ve tarımsal emtialarda fiyat dalgalanmalarına karşı hedging yöntemleri
References	MacDonald J et all. (2004). Commodities, Markets and Prices, Organising the Production and Use of Agricultural Commodities, USDA. Economic Research Center, Agricultural Economic Report 837. Fabozzi Frank J., (2008) Handbook of Commodity Investing, New York, Wiley.

Theory Topics

Week	Weekly Contents
1	Causes of agricultural product price fluctuations and their effects on markets
2	Most traded agricultural products: share of agricultural commodities in world trade
3	Minimizing agricultural production and income losses
4	Exchange rate risk and management
5	Management of damage and disaster risks
6	International agricultural commodity markets and transaction volumes
7	Transaction flow in International agricultural commodity exchanges
8	Futures contract transactions in agricultural risk transfer
9	Option transactions in agricultural risk transfer
10	Hedging operations in general
11	Hedging applications in selected agricultural products
12	VIOP- Futures and Options market transactions
13	Student presentations
14	Student presentations

Theory Topics

Week	Weekly Contents

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
EC 509	Statistics and Econometrics	1	3	0	0	3	6

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Masters Degree
Objective	
Content	Comput and interpret: scatter plots and histograms. simple linear regression between two variables. Conditional probability, Bayes theorem Discrete and Continuous distributions
References	• R.S.Witte and J.S.Witte, Statistics, 11th ed. Wiley, 1997. • S. Ross, A first course in probability, 8th Edition, Pearson. • W. Feller, An Introduction to Probability Theory and Its Applications . • L.Gonick and W.Smith, The Cartoon Guide to Statistics, 1993

Theory Topics

Week	Weekly Contents