

DEPARTMENTAL COURSES

COURSE RECORD

Code	CP100.ECON
Name	Career Planning
Hour per week	1 (1 + 0)
Credit	1
ECTS	1
Level/Year	Undergraduate/1
Semester	Spring
Type	Compulsory
Prerequisites	
Description	The course is designed to make it possible for students to be employed in suitable fields based on their education and skills while establishing the bases for career awareness in the early period of higher education. In addition, it is aimed to raise awareness about the expectations and dynamics in business life, and to enable students to develop personal and professional skills. All in all, students are provided with information about different sectors in order to develop their knowledge and skills further as well as to introduce the tools they can use in their career planning processes.
Objectives	Increasing awareness about the importance of career planning in the preparation process for the professional world. Discovering students' competencies and developing their understandings of the expectations of the professional world correctly. Developing students' knowledge and skills in line with the requirements of relevant sectors.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Explain career centered activities. L02. Identify options for career development. L03. Apply the necessary skills for effective communication. L04. Argue the importance of professional relationship networks. L05. Recognize the support units at the university. L06. Identify the effective use of necessary resources for career development.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	0	0	0	0	0	0	0	0	0
L02	3	0	0	0	0	3	2	0	0	0
L03	0	0	0	0	0	3	0	3	0	0
L04	3	0	0	0	0	0	0	3	0	0
L05	0	0	0	0	0	0	0	0	0	0
L06	3	0	0	0	0	0	0	3	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
What are the concepts of intelligence, personality, knowledge, skill, talent, and competence?	L03, L02
Basic communication skills and effective interview techniques	L01, L02, L04,

	L06
Soft skills	L02
National and international exchange programs	L05, L06
Sector Days: NGOs, public-private sectors, SME, academy...	L04, L06

DERS BİLGİLERİ

Kodu	CP100.ECON
İsmi	Kariyer Planlama
Haftalık Saati	1 (1 + 0)
Kredi	1
AKTS	1
Seviye/Yıl	Lisans/1
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders, yükseköğretimin erken döneminde kariyer bilinci için temellerin oluşturulmasını sağlarken, öğrencilerin eğitim ve becerilerine göre uygun alanlarda istihdam edilmelerini sağlamak üzere tasarlanır. Ayrıca iş hayatının beklenti ve dinamikleri hakkında farkındalık yaratmak, öğrencilerin kişisel ve mesleki becerilerini geliştirmelerine yardımcı olmak amaçlanır. Sonuç olarak derste, öğrencilerin bilgi ve becerilerini geliştirmek ve kariyer planlama süreçlerinde kullanabilecekleri araçları tanıtmak üzere farklı sektörler hakkında bilgi verilir.

COURSE RECORD

Code	ECON 101
Name	Exploring Economics I
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/1
Semester	Fall
Type	Compulsory
Prerequisites	
Description	The course is designed as an introductory course on basics of microeconomics at undergraduate level. The content includes theoretical information on how economic activities and relations function, the way individuals, households and firms behave and make decisions, factors affecting these decision making behaviors, and principles of allocation of resources. In addition to these subjects, different types of market structures and workings of these markets are explained and information on current methodologies and approaches is given at beginner level.
Objectives	Defining main concepts of microeconomics. Examining the topic of consumer behaviour. Examining the topic of firm behaviour. Introducing different types of markets (competitive market, monopoly and oligopoly).
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Define main topics, basic concepts and terminology of microeconomics. L02. Discuss the theoretical background of how people make decisions related to consumption and production. L03. Explain different cost concepts, demand and supply relations, competition and various market structures. L04. Discuss a few example applications of microeconomic theory on related societal issues.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	3	4	0	2	0	1	1	2	1
L02	0	3	2	0	3	0	1	1	2	1
L03	0	3	4	3	4	0	1	4	3	4
L04	0	1	1	3	5	0	1	0	4	4

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Demand and supply	L01, L02, L03
Labour and financial markets, elasticity	L01, L02, L03
Consumer and firm theories	L02, L03, L04
Market structures	L02, L03

DERS BİLGİLERİ

Kodu	ECON 101
İsmi	Ekonomi Bilimini Keşfetmek I
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/1
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders lisans düzeyinde mikroekonominin temellerine giriş dersi olarak tasarlanır. İçerikte, ekonomik faaliyet ve ilişkilerin nasıl işlediği, birey, hanehalkı ve firmaların nasıl davranıp karar aldıkları, bu karar ve davranışları etkileyen faktörler ile ilgili teorik bilgiler ve kaynakların bölüşümü prensipleri incelenir. Bunlara ek olarak farklı pazar yapıları ve bu pazarların işleyişleri incelenir ve güncel yöntem ve yaklaşımlarla ilgili başlangıç düzeyinde bilgi verilir.

COURSE RECORD

Code	ECON 102
Name	Exploring Economics II
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/1
Semester	Spring
Type	Compulsory
Prerequisites	
Description	The course is designed as a continuation of ECON 101 - Exploring Economics I. Basic macroeconomic issues such as determination of output, employment, unemployment, interest rates, inflation and economic growth are introduced. By the end of the course students are expected to develop an understanding of major economic institutions, functioning of markets and the challenges faced in using policy to influence unemployment and inflation levels. Students are introduced to economic models that describe significant parts of current economic system and their applications in settings of current and new events and problems.
Objectives	Defining fundamental concepts of macroeconomics. Describing macroeconomic variables such as inflation, economic growth, unemployment and CPI. Evaluating economic models to analyze macroeconomic events and news.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Define the main concepts and terminology in macroeconomics. L02. Interpret the theoretical underpinnings of how countries grow, how inflation affects well-being and why there is unemployment. L03. Explain how the real economy works in the long run and how inflation and money growth is related. L04. Interpret the theory of the open economy.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	3	3	2	5	0	2	0	3	0
L02	5	4	4	4	5	0	1	1	4	1
L03	5	4	4	5	4	1	2	0	4	0
L04	5	3	4	3	4	1	1	0	2	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Overview of basic concepts	L01
Main national economic indicators	L01, L02
Production and growth	L01, L03
Financial and monetary systems	L01, L02, L03
Open economy macroeconomics	L03, L04

DERS BİLGİLERİ

Kodu	ECON 102
İsmi	Ekonomi Bilimini Keşfetmek II
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/1
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders ECON 101 - Ekonomi Bilimini Keşfetmek I dersinin devamı olarak tasarlanır. Üretim, istihdam, işsizlik, faiz oranları, enflasyon ve ekonomik büyüme gibi temel makroekonomik kavramlar tanıtılır. Dersin sonunda öğrencilerin başlıca ekonomik kurumlar, piyasaların işleyişi, işsizlik ve enflasyon düzeylerini etkilemek için politika kullanımında karşılaşılan zorluklar hakkında anlayış geliştirmeleri beklenir. Öğrencilere güncel ekonomik sistemin önemli kısımlarını tanımlayan ekonomik modeller ve bu modellerin mevcut ve yeni olaylara ve sorunlara uygulamaları tanıtılır.

COURSE RECORD

Code	MATH 121
Name	Introductory Mathematics I
Hour per week	4 (4 + 0)
Credit	4
ECTS	6
Level/Year	Undergraduate/1
Semester	Fall
Type	Compulsory
Prerequisites	
Description	The purpose of the course is to introduce necessary basic mathematical tools to follow intermediate and advanced undergraduate level economics courses. Topics include: Basic algebra and equations, coordinate plane, graphs and functions, limits and continuity, differentiation, maximum and minimum values of functions, increasing and decreasing functions, the first derivative test, the second derivative test and curve sketching using calculus, introduction to basic optimization problems and their common applications in economics, business administration and related disciplines. Therefore the course is also aimed at providing a basis for the specific methodologies used and developed in other curriculum courses.
Objectives	Developing necessary mathematical skills to study economics. Showing how to use the fundamentals of basic algebra and equations. Providing knowledge about how to detect increasing and decreasing properties of a function and how to use it in economics. Providing a mathematical foundation for understanding of optimization problems.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Identify the characteristics of various families of functions: linear, polynomial, exponential, logarithmic and quadratic. LO2. Explain nonlinear functions using differential calculus. LO3. Describe the fundamentals of limits and continuity. LO4. Solve unconstrained optimization problems by finding relative and global maximums and minimums of single and multivariable functions.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	0	0	0	0	1	0	0	0	0
L02	0	0	0	0	0	1	0	0	0	0
L03	0	0	0	0	0	0	0	0	0	0
L04	0	1	0	0	0	1	0	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Functions (linear, polynomial etc.), coordinate plane, graphs and functions	L01, L02
Limits and continuity, differentiation, sketching graphs of functions using calculus	L03, L04
Optimization problems	L04

DERS BİLGİLERİ

Kodu	MATH 121
İsmi	Genel Matematik I
Haftalık Saati	4 (4 + 0)
Kredi	4
AKTS	6
Seviye/Yıl	Lisans/1
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Dersin amacı orta ve ileri düzeydeki ekonomi lisans derslerinin gerektirdiđi temel matematik konularının incelenmesidir. Örnek konular: Basit cebirsel işlemler ve eşitlikler, koordinat düzlemi, fonksiyonlar ve grafikler, limit ve süreklilik, türev, fonksiyonlarda maksimum ve minimum bulma, azalan ve artan fonksiyonlar, birinci ve ikinci türev testleri, fonksiyonların grafiđini çizme, basit optimizasyon problemlerine ve işletme, ekonomi ve benzer disiplinlerdeki yaygın uygulamalarına giriş. Ek olarak derste, diđer müfredat derslerinde kullanılan ve geliştirilen belirli yöntemler ile ilgili temel oluşturulması amaçlanır.

COURSE RECORD

Code	MATH 122
Name	Introductory Mathematics II
Hour per week	4 (4 + 0)
Credit	4
ECTS	6
Level/Year	Undergraduate/1
Semester	Spring
Type	Compulsory
Prerequisites	
Description	The course is designed as a continuation of MATH 121 – Introductory Mathematics I, in order to provide an introduction to further basic and advanced mathematical concepts that will be required in economic analysis. Topics include: integrals, fundamental theorem of calculus, area calculation with integrals, techniques of integration, proper and improper integrals, functions of several variables, partial derivatives, chain rule, maximum and minimum values, the second partials test, method of Lagrange multipliers, and introduction to basic matrix/linear algebra.
Objectives	Providing knowledge on how to calculate some basic mathematical concepts that are widely used in economic analyses (e.g. maximization of a function, partial derivative calculation). Showing examples of advanced calculus techniques used for economic analysis. Providing necessary tools of optimization and basic linear algebra that are necessary for advanced level economics courses in the curriculum.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Use basic and by parts integration techniques. L02. Interpret problems involving variables that discretely and continuously grow over time. L03. Distinguish the types of critical points of functions. L04. Analyze unconstrained optimization problems involving functions of single and multiple variables. L05. Use Lagrange multiplier method to solve constrained optimization problems involving functions of single and multiple variables. L06. Apply linear/matrix algebra techniques in economic analysis.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	1	0	0	0	1	0	0	0	0
L02	0	0	0	0	0	1	0	0	0	0
L03	0	0	0	0	0	1	0	0	0	0
L04	0	1	0	0	0	1	0	0	0	0
L05	0	1	0	0	0	1	0	0	0	0
L06	0	0	0	0	0	1	0	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Integration	L01
Partial derivatives, chain rule, maximum and minimum values, second partials test	L02, L03, L04, L05

Method of Lagrange multipliers	L05
Basics of linear/matrix algebra	L06

DERS BİLGİLERİ

Kodu	MATH 122
İsmi	Genel Matematik II
Haftalık Saati	4 (4 + 0)
Kredi	4
AKTS	6
Seviye/Yıl	Lisans/1
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders MATH 121 - Genel Matematik I dersinin devamı niteliğinde olarak ekonomik analiz için gerekli olan temel ve ileri düzey matematiksel kavramları giriş düzeyinde tanıtmak üzere tasarlanır. Örnek konular arasında integral alma, kalkülüsün temel teoremleri, integral ile alan hesabı, integral alma teknikleri, belirli ve belirsiz integraller, çok değişkenli fonksiyonlar, kısmi türev, zincir kuralı, maksimum ve minimum değer bulma, kısmi türev testleri, Lagrange çarpanları yöntemi ve temel matris/lineer cebire giriş konuları yer alır.

COURSE RECORD

Code	ECON 201
Name	Microeconomics I
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2
Semester	Fall
Type	Compulsory
Prerequisites	
Description	The course is designed as an introduction to microeconomic theory at undergraduate level. Mainly, a framework for understanding fundamental theories on individuals' economic actions and decisions, basic production and consumption theories, and equilibrium concepts are introduced throughout the course with timely references to real time examples. In the final section of the course, market demand and equilibrium are examined as an introduction to more advanced topics.
Objectives	Developing an intermediate understanding of the functioning of markets. Introducing consumer and producer theories. Analyzing the core concepts of demand, cost, utility and preferences.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Describe markets with their functionings. L02. Illustrate basic applications of consumer and production theories. L03. Examine axioms of preferences, marginal rate of substitution and Slutsky equation. L04. Analyze market demand and equilibrium.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	5	5	5	4	3	4	5	3
L02	5	5	5	5	4	3	3	3	5	3
L03	5	5	4	5	3	2	1	2	5	1
L04	5	5	5	5	3	3	1	2	5	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
The market, budget constraint, preferences and choice	L01, L02
Demand, revealed preferences, Slutsky equation	L02, L03
Buying and selling, intertemporal choice, consumer surplus	L02, L03, L04
Market demand and equilibrium	L01, L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 201
İsmi	Mikroekonomi I
Haftalık Saati	3 (3 + 0)

Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders lisans düzeyinde mikroekonomi teorisine giriş dersi olarak tasarlanır. Derste temel olarak ve reel hayattan örneklere güncel referanslar verilerek bireylerin ekonomik eylem ve kararlarına ilişkin temel teorilerin, temel üretim ve tüketim teorilerinin, ekonomik denge kavramlarının anlaşılmasına yönelik bir çerçeve sunulur. Dersin son bölümünde daha ileri düzey konulara giriş olarak piyasa talep ve dengesi incelenir.

COURSE RECORD

Code	ECON 202
Name	Microeconomics II
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2
Semester	Spring
Type	Compulsory
Prerequisites	
Description	The course is designed to introduce advanced microeconomic theories at undergraduate level with applications to individual decision making, market supply and demand, market equilibrium, uncertainty, and firm supply. Decision making under uncertainty and the role of technology in production processes are analyzed throughout the course. As an advanced microeconomics course at undergraduate level, discussions on welfare and externalities are also included in the content.
Objectives	Developing microeconomic theory further with analyses of complex economic systems. Introducing uncertainty and technology into microeconomic models. Examining the core concepts of welfare and externalities.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Describe market equilibrium. L02. Analyze uncertainty and preferences under uncertainty. L03. Assess technology and technology with two inputs. L04. Solve profit maximization and cost minimization problems. L05. Evaluate welfare under monopoly.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	5	5	5	4	3	4	5	3
L02	5	5	5	5	4	3	3	3	5	3
L03	5	5	4	5	3	2	1	2	5	1
L04	5	5	5	5	3	3	1	2	5	1
L05	5	5	1	4	5	1	3	4	5	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Market demand and equilibrium, uncertainty, technology	L01, L02, L03
Profit maximization and cost minimization	L02, L03, L04
Firm and industry supply, monopoly	L02, L03, L04
Welfare and externalities	L01, L02, L03, L04, L05

DERS BİLGİLERİ

Kodu	ECON 202
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COURSE RECORD

Code	ECON 203
Name	Macroeconomics I
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2
Semester	Fall
Type	Compulsory
Prerequisites	
Description	Course is designed as a further introduction to macroeconomic theory built upon the foundations of basic macroeconomics at undergraduate level. Students are introduced to basic macroeconomic models in order to understand how the aggregated decisions of households, enterprises and the state influence national income, employment, price level, interest rates, and other related macroeconomic variables. Furthermore, these models are applied to understand the tools of monetary and fiscal policy, and to analyze problems such as unemployment and inflation.
Objectives	Defining the system of national income accounting. Introducing basic macroeconomic models. Introducing monetary and fiscal policy. Providing theories to analyze economic issues such as unemployment, inflation, and economic growth.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Interpret variables and components of national income accounting. L02. Use basic macroeconomic models. L03. Analyze and explain examples of the use of monetary and fiscal policy. L04. Apply macroeconomic theories to analyze unemployment, inflation, economic growth, etc.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	3	3	5	3	5	1	2	2	0
L02	5	3	3	5	3	3	1	2	1	0
L03	5	3	3	5	3	3	1	2	1	0
L04	5	3	3	5	3	3	1	2	1	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
National income accounting	L01
IS-LM, AS-AD and IS-LM-PC models	L01, L02, L03, L04
Economic growth, savings, capital accumulation	L01, L04
Economic growth and technological progress	L01, L04

DERS BİLGİLERİ

Kodu	ECON 203
İsmi	Makroekonomi I
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2
Dersin Dili	İngilizce
Dönem	Güz
Tip	Zorunlu
Ön Şart	
İçerik	Ders lisans düzeyinde ve temel makroekonomi dersi temelleri üzerine kurularak daha ileri düzeyde makroekonomi teorisine giriş dersi olarak tasarlanır. Öğrencilere büyük ölçekte hanehalkı, firmalar ve devlet kararlarının milli gelir, istihdam, genel fiyat düzeyi, faiz oranları ve diğer ilgili makroekonomik değişkenleri nasıl etkilediğini anlamaya yönelik olarak temel makroekonomik modeller tanıtılır. Ek olarak, bu modellerin para ve maliye politikalarını anlamak üzere ve işsizlik ve enflasyon gibi sorunları analiz etmek üzere uygulamaları gösterilir.

COURSE RECORD

Code	ECON 204
Name	Macroeconomics II
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2
Semester	Spring
Type	Compulsory
Prerequisites	
Description	In this course, macroeconomic theory is studied further in connection with ECON 203 - Macroeconomics I. The aim is to present existing knowledge on modern macroeconomic theories and their applications. Basic macroeconomic models introduced previously are extended to include the long-run equilibrium, the influence of expectations and the analysis of open economy. Furthermore, the consequences of these factors for economic policies are examined.
Objectives	Introducing the long-run analysis of the economy. Illustrating the importance of expectations. Integrating the open economy into the macroeconomic model. Deepening the analysis of economic policies.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Analyze economies in the long-run perspective. L02. Include the factor of expectations in basic macroeconomic analysis. L03. Analyze economic problems within the frame of an open economy. L04. Apply advanced macroeconomic models on questions of economic policy.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	3	3	5	4	3	1	2	3	0
L02	5	3	4	5	2	3	1	2	2	0
L03	5	3	4	5	4	3	1	2	2	0
L04	5	3	4	5	3	3	1	2	2	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Economy in the long-run perspective	L01
The importance of expectations for consumption, investments, financial markets and output	L01, L02
The open economy	L03
Applications of advanced macroeconomic models on economic policies	L01, L04

DERS BİLGİLERİ

Kodu	ECON 204
İsmi	Makroekonomi II
Haftalık Saati	3 (3 + 0)

Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2
Dnem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
n Őart	
İçerik	Derste ECON 203 - Makroekonomi I dersinin devamı olarak makroekonomi teorisi derinleřtirilerek incelenir. Temel modern makroekonomi teorilerinin ve uygulamalarının öğretilmesi amaçlanır. Önceki derslerde tanıtılmış olan basit makroekonomik modeller uzun dönem denge, beklenti etkileri ve açık ekonomi analizi konularını içerecek biçimde genişletilir. Ayrıca, eklenen bu faktörlerin ekonomik politikalar üzerindeki etki ve sonuçları incelenir.

COURSE RECORD

Code	ECON 205
Name	Statistics I
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2
Semester	Fall
Type	Compulsory
Prerequisites	
Description	Course is designed as an introduction to basics of data science. It is aimed to underline the importance of data analysis and to examine basic methods of data analysis and interpretation, basic probability concepts, random variables and their real life applications. In addition, discrete and continuous random variables such as Bernoulli, binomial, Poisson, normal and standard normal random variables are examined. Concepts including displaying and describing data, the normal distribution, probability, statistical inference, confidence intervals, and hypothesis tests with their real life applications are discussed. Students are also directed to analyze small data sets using computer methods.
Objectives	Introducing the role of statistics in research and economics. Improving students' skills in data gathering and analysis. Introducing interpretations of statistical results. Providing background and foundational knowledge to support further studies in economic and econometric applications.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Summarize descriptive statistics. L02. Use statistical software to analyze the topics which will be discussed during the course. L03. Explain point estimates for unknown parameters of distributions. L04. Calculate confidence intervals for unknown parameters of distributions. L05. Analyze hypothesis testing with one or two samples.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	0	1	2	0	5	2	1	0	2
L02	0	0	1	2	0	5	2	1	0	2
L03	0	0	1	2	0	5	2	1	0	2
L04	0	0	1	2	0	5	2	1	0	2
L05	0	0	1	2	0	5	2	1	0	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Common discrete and continuous probability distributions and descriptive statistics	L01, L02
Sampling distributions, point estimation of parameters, hypothesis testing	L01, L03, L04
Statistical intervals for one and two samples	L01, L04, L05

DERS BİLGİLERİ

Kodu	ECON 205
İsmi	İstatistik I
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2
Dnem	Gz
Dersin Dili	İngilizce
Tip	Zorunlu
n Şart	
İçerik	Ders temel veri bilimine giriş niteliğinde tasarlanır. Derste veri analizinin öneminin vurgulanması ve verinin nasıl analiz edilip sonuçların nasıl yorumlanacağı, temel olasılık kuralları, rasgele değişkenler ve gerçek hayattaki uygulamaları incelenir. Ek olarak bazı özel kesikli (Bernoulli, binom, Poisson vb.) ve sürekli (normal, standart normal dağılım vb.) rasgele değişkenler konularının incelenmesi amaçlanır. Verilerin görüntülenmesi ve tanımlanması, normal dağılım, olasılık, istatistiksel çıkarım, güven aralıkları ve gerçek dünyadaki uygulamalarla hipotez testleri gibi kavramlar tartışılır. Öğrenciler ayrıca küçük veri kümelerini bilgisayar uygulamaları ile analiz etmeye yönlendirilirler.

COURSE RECORD

Code	ECON 206
Name	Statistics II
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2
Semester	Spring
Type	Compulsory
Prerequisites	
Description	Course is designed as a continuation of ECON 205 - Statistics I and it is focused on the broad treatment of applications of statistics, concentrating on techniques used in economics. Subjects such as sampling distributions, one-sample and two-sample hypothesis tests, confidence intervals, chi-square tests, and simple and multiple linear regression are examined throughout the course. It is also aimed to show how to define, collect, organize, visualize and analyze data for an economics problem using statistical techniques. Computer implementations with up-to-date statistical software are also included in the course content.
Objectives	Introducing the role of statistics in research and economics. Improving students' skills in data gathering and analysis. Showing how to interpret statistical results. Providing background and foundational knowledge to support further studies in economic and econometric applications.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Describe types of hypothesis testing with two samples. L02. Interpret chi-square probability distribution as the sample size changes. L03. Analyze basic concepts in linear regression and correlation. L04. Examine F-Distribution and the one-way ANOVA. L05. Apply Multiple Regression Analysis.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	0	1	2	0	5	2	1	0	2
L02	0	0	1	2	0	5	2	1	0	2
L03	0	0	1	2	0	5	2	1	0	2
L04	0	0	1	2	0	5	2	1	0	2
L05	0	0	1	2	0	5	2	1	0	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
One-sample and two-sample hypothesis tests, chi-square tests	L01, L02
Simple linear regression	L03
Correlation, one-way ANOVA	L03, L04
Multiple linear regression	L05

DERS BİLGİLERİ

Kodu	ECON 206
İsmi	İstatistik II
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders ECON 205 - İstatistik I dersinin devamı niteliğinde tasarlanır ve dersin odağı, özellikle ekonomide kullanılan teknikler dikkate alınarak istatistik uygulamalarının geniş bir şekilde ele alınmasıdır. Derste örnekleme dağılımları, tek ve iki kitle için hipotez testleri ve güven aralıkları, ki-kare bağımsızlık testi ve basit ve çoklu doğrusal regresyon modelleri gibi konular incelenir. Ayrıca istatistiksel teknikleri uygulayarak bir ekonomi problemi için verilerin nasıl tanımlanacağı, toplanacağı, organize edileceği, görselleştirileceği ve analiz edileceğinin gösterilmesi amaçlanır. Ek olarak, ders içeriğinde güncel istatistiksel yazılımları kullanan bilgisayar uygulamaları yer alır.

COURSE RECORD

Code	ECON 208
Name	History of Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2
Semester	Spring
Type	Compulsory
Prerequisites	
Description	The purpose of the course is to enhance the knowledge of economics gained by students in other economics courses through explanations of milestones in the evolution of the science of economics. In general, information on how economic theories have been developed in which conditions, in which order and in response to which types of questions and other related issues are examined. Historical subjects and aspects in economic theories such as classical school of thought, marginal utility theory, Keynesian ideas are emphasized throughout the course and it is also aimed to show examples of how actual socio-economic phenomena impact the evolution of economic theory.
Objectives	Showing examples of theories that differ from modern mainstream theory and showing that the theoretical basis of economics has been, and is still being, contested. Providing knowledge about the development of economics in historical/chronological context. Introducing the major ideas associated with each group or thinker studied, and thereby help students better comprehend the origins of contemporary theory.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Describe the historical roots of current economic concepts. LO2. Explain the evolution of economics as a science. LO3. Summarize Adam Smith's, David Ricardo's, and Karl Marx's contributions to the theory of the market. LO4. Show mechanisms behind the marginal utility theory. LO5. Distinguish the differences and similarities between Keynesian ideas and classical theory. LO6. Analyze thoughts of different types of schools/thinkers such as Keynesian, Ricardian, classical and neoclassical schools.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	2	0	1	2	1	0	0	0	1	0
L02	1	0	1	2	0	0	0	0	1	0
L03	1	1	2	4	2	0	0	0	0	0
L04	0	2	1	3	0	0	0	0	0	0
L05	2	2	1	5	0	1	0	0	0	0
L06	1	2	2	5	1	1	0	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
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Early pre-classical economic thought, Mercantilism and physiocracy	L01
Comparison of the views of Smith, Ricardo, Marx and etc.	L02, L03
Say's law, Alfred Marshall, neoclassical economics	L02, L04, L05, L06
Marginal utility theory of Carl Menger, marginal utility theory with the classical school, Keynesian thoughts	L04, L05, L06

DERS BİLGİLERİ

Kodu	ECON 208
İsmi	İktisat Tarihi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Dersin amacı ekonomi biliminin evrimindeki gelişim noktalarının açıklanması yoluyla öğrencilerin diğer ekonomi derslerinde edindikleri ekonomi bilgilerinin pekiştirilmesidir. Genel olarak ekonomi teorilerinin hangi sırayla, hangi koşullarda ve ne tür sorunlara yanıt olarak geliştirildiği ve diğer ilgili konular kapsanır. Klasik okul, marjinal fayda teorisi, Keynesyen fikirler gibi ekonomik teoriler ile ilgili tarihsel konu ve özellikler ders süresince vurgulanır ve ayrıca sosyoekonomik olayların ekonomik teorinin evrimini nasıl etkilediğine dair örneklerin gösterilmesi amaçlanır.

COURSE RECORD

Code	ECON 209
Name	Introduction to Python for Economics
Hour per week	3 (1 + 2)
Credit	2
ECTS	5
Level/Year	Undergraduate/2,3,4
Semester	Fall
Type	Elective
Prerequisites	
Description	The course is designed as an introductory course on programming with Python. It is designed for students with little or no programming experience with Python or with other programming languages. The content mainly includes necessary subjects to write non-complex codes/programmes with Python. In particular, algorithm development, data types, expressions and arithmetic operations, conditional statements and designing programmes with functions are covered.
Objectives	Introducing the main concepts of programming. Providing knowledge about essential subjects of programming with Python. Introducing different types of algorithms and ways to code programmes with Python.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Explain the main topics, basic concepts and terminology of programming. L02. Develop algorithms based on their needs. L03. Apply algorithms on Python. L04. Code short programmes on Python.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	0	0	0	0	3	2	0	0	2
L02	0	0	0	0	0	5	3	0	0	3
L03	0	0	0	0	0	5	4	0	0	4
L04	0	0	0	0	0	5	4	0	0	4

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Algorithm development	L01, L02, L03
Conditional statements	L02, L03, L04
Functions	L02, L03, L04
Arrays	L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 209
İsmi	Ekonomi için Python'a Giriş
Haftalık Saati	3 (1 + 2)
Kredi	2

AKTS	5
Seviye/Yıl	Lisans/2,3,4
Dönem	Güz
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders Python'la programlamaya giriş dersi niteliğinde tasarlanır. Python'da ya da diğer programlama dillerinde çok az ya da hiç bilgisi olmayan öğrenciler için uygun olacak biçimde tasarlanmıştır. Derste genel olarak basit programlar yazmak için gerekli olan konular kapsanır. Özellikle algoritma geliştirme, veri tipleri, ifadeler ve matematiksel işlemler, koşullu ifadeler ve fonksiyonlarla program tasarlama ve benzer konular incelenir.

COURSE RECORD

Code	ECON 301
Name	Econometrics I
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Fall
Type	Compulsory
Prerequisites	
Description	Statistics and econometrics knowledge that is necessary to understand and conduct econometric analysis is developed throughout the course at advanced undergraduate level. Simple and multiple linear regression models are examined in detail with related subjects such as dummy variables, omitted variable bias, interpretation of partial regression coefficients, model evaluation and goodness of fit criteria. In addition, classical assumptions of linear regression models are tested and examined.
Objectives	Introducing hypothesis testing, estimation and inference. Showing how to analyze and test economic theory with empirical data.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Test economic hypotheses and check significance properties. L02. Construct a novel econometric model and test overall performance of the model. L03. Calculate simple and partial correlations between variables within a model. L04. Choose appropriate functional form in regression models.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	5	4	3	5	5	3	2	4
L02	5	4	5	5	3	5	5	4	3	2
L03	5	5	5	5	3	5	5	3	2	5
L04	5	5	5	5	3	5	5	3	4	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Regression analysis and linear regression model	L02, L03
The problem of estimation	L01, L02
Interval estimation and hypothesis testing	L01, L04
Parameter stability, dummy and omitted variables	L02, L04

DERS BİLGİLERİ

Kodu	ECON 301
İsmi	Ekonometri I
Haftalık Saati	3 (3 + 0)
Kredi	3

AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Derste ekonometrik analizi anlamak ve ekonometrik analiz yapabilmek için gerekli olan temel istatistik ve ekonometri bilgisi ileri lisans düzeyinde geliştirilir. Basit ve çoklu doğrusal regresyon modelleri kukla değişkenler, dışlanmış değişken yanlılığı, basit ve kısmi regresyon katsayılarının yorumlanması, model değerlendirme ve uyum iyiliği gibi ilgili alt konuları ile birlikte ayrıntılı olarak incelenir. Ayrıca, doğrusal regresyon modelinin klasik varsayımları incelenir ve test edilir.

COURSE RECORD

Code	ECON 302
Name	Econometrics II
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Spring
Type	Compulsory
Prerequisites	
Description	Statistics and econometrics knowledge that is necessary to understand and conduct econometric analysis is developed further as a continuation of ECON 301 – Econometrics I. Examinations of basic and common time series models and their widely used estimation methods are included in course content. Classical assumptions of consistent and efficient parameter estimations of linear models are assessed. In addition, relaxation of these assumptions and some example methods for more convenient inference are discussed.
Objectives	Introducing time series data and simple and multiple linear regression techniques for its analysis. Showing how to identify the violation of linear model classical assumptions in time series setting. Introducing diagnostic testing methods for better econometric model specifications.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Apply diagnostic testing for econometric model specification in time series models. L02. Determine the measurement errors in model's functional forms in time series estimations. L03. Detect the presence of omitted and unnecessary variables in time series models. L04. Choose appropriate model in order to remedy autocorrelated error-term problem.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	5	4	3	5	5	3	2	4
L02	5	4	5	5	3	5	5	4	3	2
L03	5	5	5	5	3	5	5	3	2	5
L04	5	5	5	5	3	5	5	3	4	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to time series econometrics, autoregression, moving averages	L01, L03, L04
Multicollinearity, heteroscedasticity, autocorrelation, consistent estimators	L01, L03, L04
Measurement error and model specification	L02, L03

DERS BİLGİLERİ

Kodu	ECON 302
İsmi	Ekonometri II
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Derste ekonometrik analizi anlamak ve ekonometrik analiz yapabilmek için gerekli olan temel istatistik ve ekonometri bilgisi ECON 301 - Ekonometri I dersinin devamı olarak geliştirilir. Ders içeriğinde temel ve yaygın zaman serisi modelleri ile bunların yaygın olarak kullanılan tahmin yöntemleri bulunur. Tutarlı ve etkin parametre tahmininin klasik varsayımları değerlendirilir. Ek olarak bu varsayımların sağlanmadığı durumlar ve daha uygun istatistiksel çıkarımların yapılabileceği bazı örnek yöntemler tartışılır.

COURSE RECORD

Code	ECON 303
Name	International Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Fall
Type	Compulsory
Prerequisites	
Description	The course is designed to help students gain a thorough understanding of micro and macro foundations of international economics. Subjects include: theoretical foundations and history of how international economics developed, theoretical contributions on international economics and international economics theories, trade and competition, effects of wage and labor on trade, effects of exchange rate policies on trade and examination of dynamic relations between exports and imports.
Objectives	Defining main concepts of international economics. Introducing main theories of international trade. Introducing theories to analyze the effects of exchange rate policies on trade.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Interpret the main concepts of international economics. L02. Provide theoretical foundations and explanations of international trade and competition. L03. Explain how exchange rate policies affect international trade. L04. Apply one or several of the existing theories to predict changes in imports and exports.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	3	2	0	0	2	0	0	0	0	0
L02	4	3	0	0	2	0	0	0	0	0
L03	5	3	2	1	0	1	1	0	0	0
L04	5	3	2	3	0	1	1	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Absolute advantage and comparative advantage	L01, L02, L03
Heckscher - Ohlin model	L02, L03
Protectionism	L02, L03, L04
Economic Integration	L01, L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 303
İsmi	Uluslararası İktisat

Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders öğrencilerin uluslararası ekonominin mikro ve makro temelleri üzerine kapsamlı bir anlayış geliştirmelerini sağlamak üzere tasarlanmıştır. Örnek konular uluslararası ekonominin teorik temelleri ve tarihsel gelişimi, uluslararası ekonomiye teorik katkılar ve uluslararası ekonomi teorileri, dış ticaret ve rekabet, ücret ve işgücünün ticarete etkisi, döviz kuru politikalarının ticarete etkisi, ihracat ve ithalat arasındaki dinamik ilişkilerin incelenmesini içerir.

COURSE RECORD

Code	ECON 304
Name	Industrial Organization
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Spring
Type	Compulsory
Prerequisites	
Description	The course is designed to examine subjects, in addition to subjects of ECON 201 - Microeconomics I and ECON 202 - Microeconomics II, that are related to comparatively more realistic analyses of current markets. Markets and particularly competition, when assumptions of perfect competition do not hold, are examined. Subjects such as imperfect competition, oligopoly theory, quantity and price competition, vertical and horizontal market relations, advertising and other marketing tools are examined.
Objectives	Providing an understanding of the key functionings of markets and competition. Introducing imperfect competition conditions where firms hold market power. Defining classical models of duopoly including Cournot, Bertrand, Hotelling and Stackelberg models. Introducing vertical and horizontal product differentiation.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Compare perfect and imperfect competition market conditions. L02. Discuss the implications of imperfect competition on welfare. L03. Find Nash Equilibrium quantities and prices in Cournot, Bertrand, Hotelling and Stackelberg settings. L04. Design competition models where few firms interact under vertical and horizontal product differentiation and with capacity constraints.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	5	5	5	4	3	4	5	3
L02	5	5	5	5	4	3	3	3	5	3
L03	5	5	4	5	3	2	1	2	5	1
L04	5	5	5	5	3	3	1	2	5	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Perfect competition, profit maximization, consumer/producer surplus, Pareto optimality, monopoly	L01
Welfare consequences, monopoly profit maximization problem, Lerner index, sources of market power	L01, L02
Classical models of oligopoly, static oligopoly models, Cournot competition, market power and efficiency, Herfindahl-Hirschman index	L02, L03
Dynamic models of oligopoly, collusion, sequential choice and Stackelberg	L02, L03
Product differentiation, horizontal product differentiation, the linear Hotelling model, vertical product differentiation, advertising and related marketing strategies	L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 304
İsmi	Endüstriyel Organizasyon
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders, ECON 201 - Mikroekonomi I ve ECON 202 – Mikroekonomi II derslerine ek olarak mevcut pazarların görece daha gerçekçi analizi ile ilgili konuların inceleneceği biçimde tasarlanır. Pazar koşulları ve özellikle rekabet konusu mükemmel rekabet varsayımlarının geçerli olmadığı durumlarda analiz edilir. Eksik rekabet, oligopol teorisi, miktar ve fiyat rekabeti, dikey ve yatay pazar ilişkileri, reklam ve diğer pazarlama araçları ve benzer konular incelenir.

COURSE RECORD

Code	ECON 305
Name	Game Theory for Economists
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Spring
Type	Compulsory
Prerequisites	
Description	Course is designed as a general introduction to game theory and Nash equilibrium concepts with timely references to real life examples from various disciplines. It is aimed to construct a game theoretical platform that presented a playing field where well-known games from tennis to chess are reconstructed and that provides a solid basis for understanding complex phenomena in daily lives of individuals, firms or other economic agents. Solutions to simultaneous and sequential games are introduced on the bases of backward induction method, best-response analysis, maximin-minimax methods for zero-sum games, and sub-game perfect equilibrium.
Objectives	Providing comprehensive knowledge on the types of games. Introducing the concept of Nash Equilibrium. Developing hands on experience on the construction of games for various interactions. Developing a game theoretical basis for analyzing, understanding and predicting the outcomes of various interactions.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Distinguish simultaneous and sequential games. L02. Determine Nash equilibria in various types of games. L03. Develop games out of scenarios, where interaction takes place between individuals, firms or machines, by constructing decision trees or matrices. L04. Analyze basic games in a way to predict outcomes.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	2	4	4	3	5	5	2	3	5
L02	1	2	4	1	1	5	5	2	2	3
L03	5	5	3	5	5	1	5	3	5	3
L04	5	5	3	5	5	1	5	3	5	3

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Representation forms: sequential/dynamic games in extensive form	L01
Solving sequential games using backward induction	L01
The concepts of Nash equilibrium, Pareto-efficiency, dominance, best response analysis	L01, L02
Mixed strategy equilibria and sub-game perfect equilibria in sequential games, Location games, games with continuous moves: Cournot, Bertrand, Stackelberg competition games.	L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 305
İsmi	Ekonomistler için Oyun Teorisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders çeşitli disiplinlere uygulanan gerçek yaşam örneklerine güncel referanslar verilerek oyun teorisine ve Nash dengesi kavramına genel giriş niteliğinde tasarlanır. Ders süresince tenisten satranca kadar iyi bilinen oyunların yeniden inşa edildiği bir oyun alanı sunmak ve bireyler, firmalar ve diğer ekonomik birimlerin günlük hayatlarındaki ve çalışma alanlarındaki karmaşık olayların anlaşılması için bir temel sağlamak üzere oyun teorisi kapsamında bir platform inşa edilmesi amaçlanır. Eşzamanlı ve sıralı oyunlar için çözümler, geriye yönelik tümevarım, en iyi cevap analizi, sıfır toplamlı oyunlar için maximin-minimax yöntemleri ve alt oyun mükemmel dengesi temelinde sunulur.

COURSE RECORD

Code	ECON 306
Name	Labor Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Spring
Type	Compulsory
Prerequisites	
Description	The course is designed as an introductory course of labor economics at undergraduate level. Subjects such as the distribution, development and pricing of human resources, employment, unemployment, and related subjects are examined from the perspectives of welfare maximization on the side of labor force and profit maximization on the side of firms. In addition, responses and statuses of employee and employers in response to government policies, demographic changes, and other related conditions are examined through analytical methods based on microeconomic theory.
Objectives	Defining main concepts in labor economics. Providing a basis for understanding the labor supply and demand concepts and how labor markets work. Describing human resource policies to incentivize workers.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Define main topics, basic concepts and terminology of labor economics. L02. Discuss the theoretical background of how labor markets work. L03. Explain job searching behaviors. L04. Discuss a few example applications of human resources management.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	1	0	0	0	0	0	0	1	0
L02	2	5	0	2	0	1	0	0	1	0
L03	1	2	0	0	0	1	0	0	1	0
L04	0	0	0	2	0	0	2	1	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Labor supply and demand	L01, L02, L03
Education and human capital	L02, L03
Job search	L02, L03
Compensation systems	L04

DERS BİLGİLERİ

Kodu	ECON 306
İsmi	Çalışma Ekonomisi

Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders çalışma ekonomisine lisans düzeyinde giriş dersi olarak tasarlanır. Derste insan kaynaklarının gelişimi, dağılımı, ücretlendirilmesi, istihdam, işsizlik ve ilgili konular çalışanların refahlarını, firmaların ise karlarını maksimize etmeyi amaçladıkları hipotezleri dikkate alınarak incelenir. Ek olarak, işveren ve çalışanların devlet politikaları, demografik değişimler ve diğer ilgili şartlar karşısında durumları ve yanıtları mikroekonomiye dayanan analitik yöntemlerle incelenir.

COURSE RECORD

Code	ECON 307
Name	Behavioral Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Fall
Type	Compulsory
Prerequisites	
Description	Focus of the course content is taken as methodological discussions in classical economics. Neoclassical vs. mainstream assumptions for decision making processes of economic agents are discussed. Rationality assumption is discussed among initial topics. Behavioral decision theory, social preferences, time preferences, behavioral game theory, bounded rationality, and recent subjects and developments in fields of behavioral economics and experimental economics in relation to behavioral economics are also examined.
Objectives	Introducing theories of behavioral economics. Providing knowledge on the fundamental assumptions of neoclassical economics. Showing examples of how behavioral economic theory modified decision making models in economics.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Demonstrate knowledge about concepts and subjects of behavioral economic theory. L02. Discuss methodological issues in economics. L03. Interpret the importance of the assumptions used in economic theory. L04. Evaluate the contribution of behavioral economics in the field of economics and in other fields.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	2	3	0	0	0	2	0	4	0
L02	3	0	0	0	0	0	2	0	1	0
L03	3	0	0	0	0	0	1	0	1	0
L04	4	3	4	0	2	0	0	0	4	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Expected utility theory	L01, L02, L03
Prospect theory	L02, L03, L04
Behavioral game theory	L01, L02, L04
Behavioral public policy	L03, L04
Experimental methods in behavioral economics	L02, L04

DERS BİLGİLERİ

Kodu	ECON 307
İsmi	Davranışsal Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders konularının odağı klasik ekonomi yaklaşımındaki yöntemsel tartışmalar olarak belirlenir. Ekonomik aktörlerin karar alma süreçlerindeki neoklasik ve ana akım ekonomik varsayımlar tartışılır. Ders konularına karar alma mekanizmasındaki rasyonalite varsayımı tartışılarak başlanır. Ek olarak, davranışsal karar alma teorisi, sosyal tercihler, zaman tercihleri, davranışsal oyun teorisi, sınırlı rasyonalite, davranışsal ekonomi alanındaki ve deneysel ekonomi alanında davranışsal ekonomi ile bağlantılı olan güncel konular ve gelişmeler incelenir.

COURSE RECORD

Code	ECON 321
Name	Mathematical Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3
Semester	Fall
Type	Compulsory
Prerequisites	
Description	The main purpose in the course is to examine principal and basic tools of mathematical approaches used in economic analyses. Fundamental principles that are needed for understanding and analyzing main economic theories and empirical analyses are presented in the course content and are examined from a mathematical perspective. Example subjects include: introduction to abstract mathematics, optimization problems and their analyses, comparative static analysis, basic linear algebra, introduction to difference and differential equations.
Objectives	Introducing mathematical foundations used in advanced economic theories. Illustrating how to use basic mathematical approaches in economic analysis. Providing examples of advanced mathematical applications used in economic models.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Explain mathematical applications in economic theories. L02. Interpret economic implementations of mathematical models. L03. Discuss presenting a mathematical proof. L04. Solve economic models using mathematical tools.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	0	0	3	4	5	4	0	0	0
L02	4	0	3	0	1	5	4	2	0	2
L03	2	0	0	0	1	3	5	1	0	0
L04	4	3	0	3	4	5	3	1	0	3

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to abstract mathematics	L01, L02, L03, L04
Optimization models	L01, L02, L03
Difference and differential equations	L01, L04
Linear algebra	L02, L03
Economic applications	L01, L04

DERS BİLGİLERİ

Kodu	ECON 321
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İsmi	Matematiksel Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Dersin temel amacı ekonomik analizlerde kullanılan matematiksel yaklaşımların başlıca ve temel araçlarının incelenmesidir. Ders içeriğinde ekonomik teorileri ve ampirik analizleri anlamak ve analiz etmek için gerekli olan temel prensipler bulunur ve matematiksel açıdan incelenir. Örnek konular: soyut matematiğe giriş, optimizasyon problemlerinin kurulumu ve analizi, karşılaştırmalı statik analiz, basit lineer cebir, diferansiyel denklemlere giriş.

COURSE RECORD

Code	ECON 325
Name	Selected Topics in International Trade
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Aim of the course is to introduce the subject of international trade as a subdiscipline in economics. 5-6 foundational subjects in international trade are examined at introductory level. Causes and consequences of international trade and investment are discussed throughout the course. Questions such as why nations trade, what they trade, who gains (or not) from trade are also investigated. In addition, the development of the basis of trade are be examined using comparative and absolute advantage concepts, partial and general equilibrium analysis, the Heckscher-Ohlin model, and intra-industry trade theories.
Objectives	Showing examples of how international trade affects economic development, international politics and conflicts, and the environment. Introducing trade policy and the economic effects of different trade policy instruments. Examining the factors that influence international trade patterns and their impacts on income distribution between and within countries.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Describe the comparative advantages theory, absolute advantage theory, the supply and demand models on the basis of analyses of international trade theory. L02. Discuss the relationship between trade theory and economic development. L03. Examine the internal and external equilibria in the context of foreign trade and national income. L04. Analyze the foreign trade of the less developed and developed countries. L05. Examine the new trade theories and the factor endowments theory.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	1	0	0	0	1	0	0	0	0
L02	5	1	0	0	0	0	0	0	0	0
L03	4	0	0	0	0	1	0	0	0	0
L04	5	0	0	0	2	1	0	0	0	0
L05	3	1	0	0	0	0	0	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Comparative advantages, supply and demand models, internal and external equilibrium	L01, L03
Factor endowments theory, absolute advantages	L05
General equilibrium analysis, foreign trade and national income	L01, L03, L05
Economic development and foreign trade policies	L02, L04

DERS BİLGİLERİ

Kodu	ECON 325
İsmi	Uluslararası Ticarete Seçilmiş Konular
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin amacı ekonomi biliminin bir alt alanı olarak uluslararası ticaretin tanıtılmasıdır. Derste uluslararası ticaret alanındaki 5-6 temel konu giriş düzeyinde incelenir. Ders süresince uluslararası ticaretin ve yatırımın neden ve sonuçları tartışılır. Ülkeler neden ticarete girer, ticarete konu mallar nelerdir, ticaretten hangi taraf kazanç sağlar (ya da zarar eder) gibi sorular da ayrıca incelenir. Ek olarak, ticaret zemininin gelişimi karşılaştırmalı ve mutlak üstünlük, kısmi ve genel denge analizi, Heckscher-Ohlin modeli ve endüstriler arası ticaret teorileri kullanılarak incelenir.

COURSE RECORD

Code	ECON 326
Name	Selected Topics in Behavioral Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is aimed at examining a variety of different concepts in behavioral economics at introductory and undergraduate level in order to introduce the area further and in addition to the contents of core courses in curriculum. Example topics can be: classical utility theory, alternative utility theories, decision-making under risk and uncertainty, behavioral game theory, trust and reciprocity, economics and psychology, behavioral public policy, and experimental methods. Students are presented with the possibility to gain thorough knowledge about main subjects and approaches in behavioral economics, and to discuss and compare these with subjects and approaches in classical and mainstream economics.
Objectives	Introducing the rapidly evolving literature of behavioral economics. Showing how to use behavioral economic theory tests using field experiments and non-experimental data. Developing skills for using concepts and applications of behavioral economics in order to explain anomalies in real world market environments.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Summarize subjects in the field of behavioral economics. L02. Describe the differences between classical and behavioral economics. L03. Evaluate the most suitable methods for approaching a given topic. L04. Examine the findings from behavioral economics research.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	4	5	3	1	4	5	4	3	1
L02	2	4	5	3	1	3	4	3	2	1
L03	1	3	4	2	1	4	5	2	1	1
L04	1	4	5	5	1	4	5	3	2	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Behavioral Economics: An overview	L01, L02
Assumptions on economic agents, classical utility theory	L01, L02
Decision-making under risk and uncertainty	L01
Behavioral game theory	L01, L04
Trust and reciprocity	L01, L04
Behavioral public policy	L01, L02, L04
Experimental methods in economics	L01, L03, L04

DERS BİLGİLERİ

Kodu	ECON 326
İsmi	Davranışsal Ekonomide Seçilmiş Konular
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin amacı davranışsal ekonomi alanındaki çeşitli konulardan müfredatta daha önce incelenmemiş olanların incelenmesiyle alanın lisans ve giriş düzeyinde daha geniş kapsamda tanıtılmasıdır. Derste ekonomik aktörler üzerine varsayımlar, klasik fayda teorisi, risk ve belirsizlik altında karar verme süreçleri, davranışsal oyun teorisi, güven ve karşılıklılık, ekonomi ve psikoloji, davranışsal kamu politikaları, deneysel yöntemler gibi konular giriş düzeyinde incelenir. Öğrencilere davranışsal ekonomideki başlıca konu ve yaklaşımlar üzerine kapsamlı bilgi edinme ve bu konu ve yaklaşımları tartışma ve klasik ve anaakım ekonomideki konu ve yaklaşımlarla karşılaştırma olanağı sunulur.

COURSE RECORD

Code	ECON 332
Name	Microeconometrics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Spring
Type	Elective
Prerequisites	
Description	Aim of the course is to analyze basic topics in microeconometrics in detail at undergraduate level. The course content includes standard econometric techniques that are used to examine micro-level data. Example subjects are generalized method of moments (GMM), instrumental variable (IV), two stage least squares (2SLS), discrete choice, and causal effects estimation techniques. Upon completing the course students are expected to be able to identify micro-data, problems that should be analyzed with micro-data and suitable techniques of estimation based on the question and data of interest.
Objectives	Preparing students for conducting independent research and analysis using empirical methods. Introducing econometric methods that are frequently used in applied microeconomic research. Reviewing standard techniques for cross-sectional analysis and presenting modern approaches.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Demonstrate an understanding of basic models and methods of microeconometrics. L02. Analyze widely used types of micro-data using statistical software. L03. Formulate a coherent research design to test empirical questions. L04. Conduct simple examples of microeconomic empirical analysis.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	3	3	0	0	4	1	2	1	5
L02	4	4	4	2	0	5	3	3	1	5
L03	3	3	3	0	0	4	3	2	2	4
L04	5	3	4	2	0	4	3	2	2	5

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to microeconometrics, single equation linear model,	L01, L02
Linear models for panel data	L02, L04
Instrumental variables, generalized method of moments	L01, L02
Regression discontinuity design	L03, L04
Causal effects estimation	L01, L02

DERS BİLGİLERİ

Kodu	ECON 332
İsmi	Mikroekonometri
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Derste mikroekonometri alanındaki temel konuların lisans düzeyinde ve ayrıntılı olarak incelenmesi amaçlanır. Ders içeriğinde GMM, IV ve 2SLS, ayrık seçim-logit ve probit modelleri, nedensel etki tahmin teknikleri ve ilgili konular yer alır. Dersi tamamlayan öğrencilerin mikro-verileri tanımlayabilmeleri ve ayırt edebilmeleri, mikro-veri ile analiz edilmesi mümkün olan ve gereken problemleri tanımlayıp ayırt edebilmeleri ve ayrıca ilgilenilen soru ve veri kümesi ile bağlantılı olarak uygun tahmin tekniklerini tanımlayıp ayırt edebilmeleri beklenir.

COURSE RECORD

Code	ECON 334
Name	Personnel Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2,3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	The course is designed as an introductory course on economic analysis of human resource management policies. In particular, the course content contains two main issues of human resource management: personnel selection and personnel motivation. Theoretical framework based on labor economics as well as empirical studies related to behavioral economics and experimental economics are examined throughout the course. By the end of the course students will have acquired knowledge on the basic terminology and concepts in the field of personnel economics and human resources management.
Objectives	Introducing the main concepts of labor economics. Introducing the subject of personnel behavior. Examining different types of compensation systems and how to increase personnel performance in these systems. Showing examples of experimental and behavioral studies that are conducted in workplaces and are related to human resource management.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Define the main topics, basic concepts and terminology of labour economics and human management policies. L02. Interpret the theoretical knowledge on how personnel make decisions related to job seeking and working behaviour. L03. Categorize different compensation schemes and their effects on personnel performance. L04. Discuss the effects of training and education on personnel behavior.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	5	0	4	0	2	2	2	3	0
L02	2	4	0	2	3	3	5	3	2	0
L03	2	4	0	2	2	3	5	3	4	0
L04	0	0	0	0	0	3	3	3	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Labour demand and supply	L01, L02
Human resource management	L02, L03, L04
Spillover effects and peer effects	L02, L03
Monitoring	L02, L03

DERS BİLGİLERİ

Kodu	ECON 334
İsmi	Personel Ekonomisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2,3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders, insan kaynakları yönetimi politikalarının ekonomik analizine giriş dersi niteliğinde tasarlanır. Özel olarak ders içeriğinde, insan kaynakları yönetimi alanındaki iki temel konu bulunur: personel seçimi ve personel motivasyonu. Ders süresince çalışma ekonomisine dayalı teorik çerçeve ile davranışsal ekonomi ve deneysel ekonomiye dayanan ampirik çalışmalar incelenir. Dersin sonunda öğrenciler personel ekonomisi ve insan kaynakları yönetimi alanlarındaki temel terminoloji ve kavramlar hakkında bilgi edinmiş olurlar.

COURSE RECORD

Code	ECON 335
Name	Institutional Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2,3,4
Semester	Spring
Type	Elective
Prerequisites	
Description	The course is focused on “new institutional economics” with an emphasis on the influence of institutions and institutional know-how and behavior on economic performance. Students are introduced to concepts of institutions, organizations, property rights and transaction costs. Effects of these on workings of firms, markets, states, and on economic growth are also analyzed. In addition, influence of institutions on some example social issues such as environmental problems and crime are also discussed.
Objectives	Introducing the most important concepts of institutional economics. Introducing the analysis of firms and markets from an institutional economics point of view. Introducing the analysis of the economic development of a country from the point of view of institutional economics. Introducing the institutional economic analysis of some example social issues.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Apply the most important concepts of institutional economics. L02. Analyze firms and markets from an institutional economics point of view. L03. Analyze the economic development of a country from the point of view of institutional economics. L04. Transfer the institutional economic analysis on some example social issues.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	3	4	3	4	3	3	3	3	2	0
L02	3	5	3	5	4	3	3	3	2	0
L03	4	3	3	5	4	3	4	3	2	0
L04	3	3	3	3	5	3	5	3	2	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Institutions and organizations, transaction costs, absolute property rights, relative property rights, contract theory	L01, L02
The new institutional economics of the market, firm and state, theory of interest groups	L02, L03, L04
Institutions and economic growth and development	L03
Institutional theory perspectives on Immigration, criminality and environmental issues	L04

DERS BİLGİLERİ

Kodu	ECON 335
İsmi	Kurumsal Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/2,3,4
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders “yeni kurumsal iktisat akımı” odak noktası alınarak ve kurumların ve kurumsal bilgi birikimi ve davranışların ekonomik performans üzerindeki etkileri dikkate alınarak tasarlanır. Derste öğrencilere kurumlar, organizasyonlar, mülkiyet hakları ve işlem maliyeti kavramları tanıtılır. Bu kavramların firmaların, piyasaların ve devletlerin işleyişi üzerindeki etkilerinin yanında ekonomik büyüme üzerindeki etkileri de incelenir. Ek olarak, kurumların çevre problemleri ve suç gibi bazı örnek toplumsal sorunlar üzerindeki etkileri de tartışılır.

COURSE RECORD

Code	ECON 338
Name	Monetary Theory, Policy and Banking
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	The course is designed to develop students' abilities to understand the functions of and to analyze monetary policies and the banking system. Subjects such as monetary theory, monetary policy, banking and banking types, interest rate hypotheses, inflation, exchange rate, financial markets, central bank and its functions are examined. In addition, it is aimed to increase and deepen students' interest in monetary and financial issues found both in the literature and in real life throughout the course.
Objectives	Introducing the mechanics of financial markets. Introducing theories on why money is important for inflation, economic activity and interest rates. Defining major money and capital market instruments.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Discuss how money demand responds to changes in interest rates and income level. L02. Provide explanations for how monetary policy guides economic activity and prices. L03. Measure the term structure of interest rates. L04. Assess the effects of different exchange rate regimes on macroeconomic policy implementations.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	5	5	5	5	5	3	2	4
L02	5	5	5	5	3	5	5	4	3	3
L03	5	5	5	5	3	5	5	4	1	5
L04	5	5	5	5	4	5	5	4	4	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Financial markets and institutions	L02, L03
Central banking and monetary policy	L01, L03
Exchange rate policy and international finance	L02, L04
Monetary theory	L01, L02, L04

DERS BİLGİLERİ

Kodu	ECON 338
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İsmi	Para Teorisi, Politikası ve Banka
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders öğrencilerin para politikaları ve bankacılık sisteminin fonksiyonlarını anlama ve bunları analiz etme yeteneklerini geliştirmek üzere tasarlanır. Derste para teorisi, para politikası, bankacılık ve türleri, faiz hipotezleri, enflasyon, döviz kurları, finansal piyasalar, merkez bankası ve fonksiyonları gibi konular incelenir. Ayrıca, ders süresince, öğrencilerin ilgili literatür kaynaklarında ve gerçek hayatta bulunan parasal ve finansal sorunlara olan ilgilerini arttırmak ve derinleştirmek amaçlanır.

COURSE RECORD

Code	ECON 339
Name	Government Finance and Fiscal Policy
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is based on theories and studies related to public sector which can be characterized as a sector that produces goods and services for social needs and social benefits. Course content includes subjects such as perspectives for fiscal policy, government's role in economy, characteristics of market economy and public economy, efficiency in market economy, market failures, government intervention in economy, public goods, externalities, size of public economy, decision making and voting models in public economy, characteristics and increasing of public spending, classifications of public spending, and effects of public spending on economy.
Objectives	Providing foundational knowledge that is needed to comprehend the function of government in economic and social realms. Providing knowledge about the characteristics of externalities and public goods as well as their implications on market efficiencies and government activities. Showing examples of existing theory and evidence regarding the impact of government spending on the private and public sectors.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Identify the effects of government spending on the private and public sectors. L02. Distinguish the fundamental differences between public and private goods and services. L03. Examine government interventions in the economy. L04. Analyze the issues of public finance. L05. Analyze the concepts and conditions of allocation of resources between public and private sectors.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	2	2	0	1	0	0	0	0	0	0
L02	0	1	0	0	1	0	0	0	1	0
L03	2	1	0	0	0	0	0	0	1	0
L04	0	1	0	0	0	0	0	0	0	0
L05	2	2	0	0	0	0	0	0	1	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Government spending, public and private goods	L01, L02, L03
Public finance, allocation of resources, state budget	L01, L03, L04, L05
Externalities, government subsidies for households and for firms	L01, L02

DERS BİLGİLERİ

Kodu	ECON 339
İsmi	Kamu Maliyesi ve Maliye Politikası
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders içeriği sosyal ihtiyaçlar ve sosyal faydalar için mal ve hizmet üretilen bir sektör olarak karakterize edilebilen kamu sektörü ile ilgili teori ve çalışmalar temeli üzerine kurulur. Derste maliye politikalarına bakış açıları, devletin ekonomideki rolü, pazar ekonomisi ve kamu ekonomisinin özellikleri, pazar ekonomisinde etkinlik, pazar başarısızlıkları ve devletin ekonomiye müdahalesi, kamusal mallar, dışsallıklar, kamu kesiminin büyüklüğü, kamu kesiminde karar alma ve oylama modelleri, kamu harcamalarının özellikleri ve artışı, kamu harcamalarının sınıflandırılması, ve kamu harcamalarının ekonomiye etkileri konuları incelenir.

COURSE RECORD

Code	ECON 341
Name	Turkish Economy
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/2,3,4
Semester	Spring
Type	Elective
Prerequisites	
Description	Aims of the course include explaining the timeline of events in Turkey's economy and thus, also, examining related applications of economic theories with the example case of Turkey. Turkey's economy starting from the 19 th century and its reforms, economic crises, institutional policies, inflation targeting policies, establishment and history of the central bank, exchange rate policies and related subjects are examined.
Objectives	Reviewing the economic history of Turkey. Showing examples of changes in institutional settings of the Turkish economy. Introducing economic resources of Turkey. Providing examples of specific economic policies used in Turkey.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Establish relationships between Turkey's economic history and its present structure. L02. Analyze the influence of the institutional settings in Turkey on its economy. L03. Analyze the influence of Turkey's resource endowment on its economic development. L04. Analyze the influence of specific economic policies on Turkey's economic development.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	3	3	4	3	3	4	3	3	0
L02	5	3	3	4	3	2	4	3	3	0
L03	5	3	3	4	3	3	4	3	3	0
L04	5	5	5	4	3	3	3	3	3	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
The economy of the late Ottoman Empire and early Turkish Republic	L01, L02, L03
Periods of etatism/statism, economic reforms in the 1950s, import-substitution strategy	L01, L02
Export-oriented strategy, 1990s: populist economic policies and inflation, economic reforms in the 2000s, EU accession process	L01, L02, L04
Privatization, monetary policies, fiscal policies in Turkey	L02, L04

DERS BİLGİLERİ

COURSE RECORD

Code	ECON 350
Name	Experimental Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Spring
Type	Elective
Prerequisites	
Description	The course is designed as an introductory course on experimental economics at undergraduate level. Subjects include how experimental methodology evolved in economics and its current applications as a methodology. Example subjects can be: historical roots of experimental approaches, hypothesis formation and testing, theoretical and experimental analyses of individual decisions and social behavior, experimental analyses of the concepts of distribution, equity and reciprocity, and programming of experiments on computer. The content includes lab experiments, randomized field experiments, lab in the field experiments and online experiments. The advantages and disadvantages of experimental methods are be compared to non-experimental methods.
Objectives	Introducing the main concepts of experimental economics. Introducing experimental methodology, and its use and significance in economics. Providing knowledge on conducting lab and field experiments. Examining the topic of social preferences and its effects on economic decisions.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Define main topics, basic concepts and terminology of experimental economics. L02. Discuss the advantages and disadvantages of experimental and non-experimental methods. L03. Explain different features of different types of experiments. L04. Design simple experiments.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	0	3	2	1	2	4	0	0	0
L02	0	0	3	2	1	2	4	0	0	0
L03	0	0	3	2	1	2	4	0	0	0
L04	0	0	3	2	1	2	4	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Different types of research techniques	L01, L02, L03
Lab experiments	L02, L03, L04
Field experiments	L02, L03
Lab in the field and online experiments	L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 350
İsmi	DeneySEL Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders lisans düzeyinde deneysel ekonomiye giriş dersi olarak tasarlanır. Ders konuları, deneysel metodolojinin ekonomide nasıl geliştiğini ve bir metodoloji olarak mevcut deneysel ekonomi uygulamalarını kapsamaktadır. Örnek konular: ekonomide deneysel yaklaşımların tarihsel kökeni, hipotezlerin kurgulanması ve test edilmesi, bireysel kararların ve sosyal davranışların teorik ve deneysel analizi, bölüşüm, hakkaniyet ve mütakabiliyet olgularının deneysel analizi, ve deneylerin bilgisayar ortamında programlanması olarak seçilebilir. Ek olarak laboratuvar deneyleri, rastgele saha deneyleri, sahada laboratuvar deneyleri ve çevrimiçi deneyler incelenir. Deneysel yöntemlerin avantaj ve dezavantajları deneysel olmayan yöntemlerle karşılaştırılır.

COURSE RECORD

Code	ECON 351
Name	Geographical Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Focus of the course is the recently developing field of geographical economics where, in general, spatial distributions of economic activity are analyzed. Relations and interactions between geography, trade and economic development are examined throughout the course. Different mechanisms of an economy which can be exemplified as agricultural, manufacturing and services production, labor and capital markets, spatial patterns of consumption and trade are explored throughout the course by using geographical dimensions of space, place, location, and scale. In addition, solutions are proposed for problems that are related to these issues.
Objectives	Showing the geographical way of thinking in relation to economics and how it can be used in the analyses of economic issues. Introducing the logic of capitalist economic developments as well as its spatial and historical drivers. Introducing principal concepts of policymaking and providing a basic conceptual toolkit for future studies and research in a broader economic and geographical domain.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Define the use and importance of economic geography in evaluating the mechanisms of operation of societies and economies. LO2. Explain key concepts, techniques and theoretical approaches in geographical economics. LO3. Illustrate the relationships between trade, economic development and geography. LO4. Examine how historical, environmental, cultural and other factors influence economic activity in relation with geographical factors.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	3	0	0	0	2	0	1	0	0	0
L02	3	0	0	0	3	0	1	0	0	0
L03	4	0	0	0	4	0	1	0	1	0
L04	1	0	0	0	3	0	2	0	1	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Globalization and related subjects (e.g. population, consumption, and innovation), international trade, foreign direct investment	L01, L02, L03, L04
Development and development strategies, resources and energy	L02, L03, L04
Firm location, activity and growth	L02, L04

DERS BİLGİLERİ

Kodu	ECON 351
İsmi	Coğrafi Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin odağı ekonomide güncel ve gelişmekte olan bir alan olan ve genel olarak ekonomik faaliyetin mekânsal dağılımının incelendiği coğrafi ekonomi konularıdır. Ders süresince coğrafya, ticaret ve ekonomik kalkınma arasındaki ilişkiler ve etkileşimler incelenir. Tarım, imalat ve hizmet üretimi gibi ekonominin farklı mekanizmaları, emek ve sermaye piyasaları, mekansal tüketim kalıpları ve ticaret konuları ders süresince mekan, yer, konum ve ölçeğin coğrafi boyutları kullanılarak araştırılır. Ayrıca, bu konularla ilgili sorunların çözüm önerileri incelenir.

COURSE RECORD

Code	ECON 352
Name	Economics of Real Estate
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is designed mainly to examine the process and techniques of analyzing real property as an investment medium as well as the effects of market conditions and government policies upon real estate investment. The focus of the course is also on the investment relations that have developed especially through alternative investment methods in recent years. Mortgage-based investment instruments that are related to the financial crises and real side consequences of these are examined. Factors influencing real estate values such as business cycles, regional and community growth, influences on real estate development are also discussed.
Objectives	Introducing basic concepts of real estate economics. Defining the basic mechanisms of real estate market and financing of real estate. Illustrating techniques for the value and profitability calculations of real estate investments.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Describe how basic economic models work and how they are applied in settings of real estate markets and related public policy challenges. L02. Interpret the impact of changes in supply/demand dynamics and public policy on real estate markets using analytical and empirical methodologies. L03. Explain the mechanics of housing finance and of particular types of housing loans. L04. Show the fundamental reasons of financial crisis in real estate markets. L05. Analyze the consequences of financial crisis (such as Mortgage).

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	1	5	3	0	0	0	0	0	0
L02	0	0	5	2	0	2	0	0	0	0
L03	0	0	5	0	0	0	0	0	0	0
L04	2	0	5	4	0	2	0	0	0	0
L05	2	0	5	4	0	2	0	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
House prices and property price, housing finance and loan types	L03, L04, L05
Financial crises	L04, L05
Fundamentals of real estate markets, investment in real property	L01, L02, L03
Integration of real estate market and the macroeconomy	L01, L02

DERS BİLGİLERİ

Kodu	ECON 352
İsmi	Gayrimenkul Ekonomisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders bir yatırım aracı olarak gayrimenkulün analiz süreci ve tekniklerinin yanı sıra piyasa koşullarının ve hükümet politikalarının gayrimenkul yatırımı üzerindeki etkilerini incelemek üzere tasarlanır. Derste ayrıca gayrimenkul ekonomisinde özellikle son yıllarda alternatif yatırım yöntemleri ile gelişen yatırım ilişkilerine odaklanılır. Finansal krizlerle ilgili olarak mortgage tabanlı yatırım araçları ve bunların reel sonuçları incelenir. Gayrimenkul değerlerini etkileyen iş çevrimleri, bölgesel ve toplumsal büyüme, gayrimenkul gelişimi üzerindeki etkiler gibi faktörler de tartışılır.

COURSE RECORD

Code	ECON 353
Name	Introduction to Political Economy
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is designed to introduce basic topics in the political economy including their relations to both microeconomics and macroeconomics. Main subjects in political economy are examined at undergraduate level. Example subjects are: voting, agency, conflict resolution, social choice, collective decision making, bargaining, allocation, efficiency, corruption, and examinations, modeling, and applications of these subjects in the area of economics. Subjects are examined from different perspectives including both theoretical and empirical studies related to them.
Objectives	<p>Providing foundations for analyzing policy problems using theories of political economy.</p> <p>Introducing how economic and political factors interact to shape and influence policy outcomes.</p> <p>Illustrating how to analyze policy challenges and related concerns critically and analytically from a political economics perspective.</p> <p>Examining some example/widely used critical political analyses.</p>
Learning Outcomes	<p><i>By the end of the course, the student will be able to</i></p> <p>L01. Identify the theoretical and empirical approaches in political economy.</p> <p>L02. Explain the fundamentals of political themes in the development economics.</p> <p>L03. Discuss basic political economic principles.</p> <p>L04. Examine empirical evidence on economic, political and public policy related questions.</p> <p>L05. Show the impossibility of maximizing social welfare.</p> <p>L06. Analyze the effects of political institutions on economic decisions and effects of economic factors (such as growth and income disparity) on political decisions.</p>

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	1	1	2	0	0	0	0	0	0
L02	0	0	0	1	1	0	0	0	2	0
L03	1	0	0	3	1	0	0	0	0	0
L04	1	0	0	4	1	1	0	0	0	0
L05	0	1	0	1	1	0	0	0	0	0
L06	1	1	0	3	2	0	0	0	1	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Inequality and public goods	L01, L02, L06
Social welfare	L01, L02, L05
Public policy	L01, L03, L04

DERS BİLGİLERİ

Kodu	ECON 353
İsmi	Politik Ekonomiye Giriş
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders, politik ekonominin hem mikroekonomiyle hem makroekonomiyle ilişkilerini içerecek biçimde temel konularını tanıtmak üzere tasarlanır. Politik ekonomi alanındaki temel ve yaygın olarak incelenen konular lisans düzeyinde incelenir. Örnek konular arasında oy kullanımı, politik aracılık, anlaşmazlık çözümleri, sosyal tercih, kolektif karar alma, pazarlık, bölüşüm, verimlilik, yolsuzluk ve bu konuların ekonomi alanındaki inceleme, modelleme ve uygulamaları yer alır. Konular ilgili teorik ve ampirik çalışmaları da içerecek biçimde değişik perspektifler dikkate alınarak incelenir.

COURSE RECORD

Code	ECON 354
Name	International Finance
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is designed as a typical course on international finance which introduces the basic subjects of the area at undergraduate level. Main aim is to introduce international finance as a subdiscipline of economics and to examine related applications in the broader area of economics. The consideration of three significant and connected macroeconomic issues in open economies -exchange rates, capital flows, and financial crises- is given emphasis in the course. The main topics also include: forex markets, international parity conditions, forex risks, currency derivatives and hedging issues, and issues with currency investment strategies.
Objectives	Introducing international financial transactions as well as operational aspects of foreign exchange markets. Providing basic knowledge to comprehend the foundations of international financial markets. Introducing concepts of forex market participants, exchange rates determination, international arbitrage, foreign exchange risk and its management, and international capital markets.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Identify how international capital markets work. LO2. Explain the distinctions between foreign exchange spot and forward markets. LO3. Discuss concepts such as interest rate parity, purchasing power parity, and the international fisher equation in relation to international parity relations. LO4. Use models to estimate foreign exchange rates. LO5. Examine currency derivatives to hedge currency risk.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	0	4	2	0	2	0	0	0	0
L02	1	0	5	3	0	3	0	0	0	0
L03	0	0	4	2	0	2	0	0	0	0
L04	1	0	5	3	0	5	0	0	0	0
L05	0	0	5	0	0	3	0	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
International money market, international banking	L01, L02, L04, L05
Exchange rate determination and purchasing power parity	L02, L03, L04
Financial globalization	L01, L02
Financial risk management	L03, L04, L05

DERS BİLGİLERİ

Kodu	ECON 354
İsmi	Uluslararası Finans
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders temel uluslararası finansa giriş konularının tanıtıldığı genel bir lisans düzeyi ders konularını içerecek biçimde tasarlanır. Temel amaç ekonomi biliminin bir alt alanı olarak uluslararası finansın tanıtılması ve ilgili uygulamaların genel ekonomi alanı ile bağlantılı olarak incelenmesidir. Derste açık ekonomilerde üç önemli ve bağlantılı makroekonomik sorunun -döviz kurları, sermaye akışları, finansal kriz- incelenmesine önem verilir. Ayrıca ana konular forex piyasaları, uluslararası parite koşulları, forex riskleri, döviz türevleri ve riskten korunma konuları, döviz yatırım stratejileri ile ilgili konuları içerir.

COURSE RECORD

Code	ECON 356
Name	Urban Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Examinations of the location of economic activity and introduction of space into economic models are introduced and focused throughout the course at basic and undergraduate level. The main subject of the course can thus be considered to also include new approaches (compared to classical economic approaches) to development of cities, access to public services, distributions of health institutions, educational institutions and recreational areas, and influences of these on urban life. Housing, urban structures, area usage, social rupture, crime and education are examined through economic models including a focus on planning at the same time.
Objectives	Examining the factors that have promoted urban development in the past and today. Providing knowledge about the possible impacts of different policies that encourage local economic growth. Introducing economic challenges cities face and showing examples of how they deal with these challenges. Providing basic knowledge about dynamics of urbanization in Turkey.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Identify how economic activities carried out in the city affect the structure of the city. L02. Explain the economic factors in selected urban issues (such as poverty, transportation, education, employment). L03. Discuss the relationship between the city and the economy from the perspective of sustainability. L04. Apply alternative approaches to existing problems in the relations of urbanization and economy. L05. Analyze the basic models of housing demand and its role in determining the stock of housing in a city.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	0	0	0	3	0	1	0	5	0
L02	1	0	0	0	4	0	2	0	5	0
L03	2	1	0	1	3	0	1	0	5	0
L04	2	0	0	0	3	0	2	0	5	0
L05	0	2	1	4	0	0	0	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Costs and benefits of land use planning, green buildings and sustainability, house demand and stock of houses	L01, L02, L03, L05

Spatial impact of globalization	L02
The role of transport costs and transport infrastructure investments	L01, L02, L04
Local government expenditures and taxes	L01, L02, L03

DERS BİLGİLERİ

Kodu	ECON 356
İsmi	Kent Ekonomisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl 4	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Derste, ekonomik faaliyetlerde yer kavramının incelenmesi ve alan kavramının ekonomik modellere dahil edilmesi konuları temel olarak ve lisans düzeyinde tanıtılır ve odak olarak alınır. Böylece dersin temel konuları arasında şehirlerin gelişimleri, kamusal hizmetlere erişim, sağlık, eğitim kurumları ve dinlendirici alanların dağılımı ve bunların şehir yaşamına etkileri üzerine (klasik ekonomik yaklaşımlara göre) yeni yaklaşımlar yer alır. Derste konut, yapılaşma, alan kullanımı, toplumsal kopma, suç ve eğitim gibi konular ekonomik modellerle ve aynı zamanda planlama odaklı olarak incelenir.

COURSE RECORD

Code	ECON 401
Name	Data Analysis and Big Data Usage
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/4
Semester	Fall
Type	Compulsory
Prerequisites	
Description	Course is designed to provide necessary tools for conducting research projects and it includes computer applications. Subjects such as data collection, data processing, data analysis and interpretation, transformation of data into information, and regression are examined. In the big data usage section, definition, scope and three important examples of big data in the science of economics (open data, real-time data, managerial data) are introduced. Applications of these big data types are related with the applications of economics in fields such as finance or health economics. In addition, use of big data in empirical studies and estimation processes are examined.
Objectives	Introducing fundamental concepts of data analysis and big data usage. Developing skills of data gathering and analysis. Providing basic knowledge on conducting research in the field of data analytics.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Recognize the key aspects of data analysis and big data usage. L02. Distinguish the differences between big data types. L03. Extract data from existing data sources and form databases. L04. Implement statistical, mathematical and econometric methods in data analysis with a focus on global issues. L05. Use programs such as Python, R, Stata for solving statistical, mathematical and econometric problems. L06. Construct models and interpret statistical findings.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	3	1	4	1	4	1	1	1	4
L02	1	4	1	3	4	4	3	3	1	4
L03	2	3	2	4	2	4	2	2	2	4
L04	3	2	3	4	2	4	1	1	3	4
L05	3	2	3	4	2	4	3	3	3	4
L06	2	2	2	4	2	4	2	2	2	3

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to data analysis and big data usage	L01, L02
Data collection, data visualization	L01, L02, L03
Statistical analysis, forecasting analysis	L01, L04, L05, L06

DERS BİLGİLERİ

Kodu	ECON 401
İsmi	Veri Analizi ve Büyük Veri Kullanımı
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/4
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Ders araştırma projelerini yürütmek için gerekli donanımı sağlamak üzere ve bilgisayar uygulamalı olarak sunulur. Veri toplama, veri işleme, veri analizi ve yorumlanması, verinin bilgiye dönüştürülmesi ve regresyon gibi konular incelenir. Büyük veri kullanımı kısmında büyük verinin tanımı, kapsamı ve ekonomi bilimi içerisindeki üç önemli kullanımı (açık veri, gerçek-zamanlı veri, yönetimsel veri) tanıtılır ve bunların uygulamaları ekonomi biliminin finanstan sağlığa çeşitli alanlardaki uygulamalarıyla ilişkilendirilir. Ek olarak, büyük verinin ampirik çalışmalarda ve tahmin süreçlerinde kullanımı incelenir.

COURSE RECORD

Code	ECON 403
Name	Research Methods
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/4
Semester	Fall
Type	Compulsory
Prerequisites	
Description	Course is designed to provide preparatory knowledge to undertake scientific research. Example subjects are such as: introduction to scientific methods in academic research, introduction to research, definitions and comparisons of empirical and theoretical methodologies in research, defining and formulating a research problem, research design, economic modeling, sampling methods, survey design and methods, data collection methods, reviewing the literature, formulating/designing regression analysis, correct citation and referencing, writing research proposals, and presenting of the research.
Objectives	Introducing the concepts of research and research methods. Providing foundational knowledge on implementing research methods for students' own research questions. Developing the ability to analyze research papers critically.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Explain the research terminology. L02. Demonstrate knowledge about the ethical principles of research. L03. Demonstrate knowledge about the components of a literature review process and making syntheses from previous literature. L04. Analyze published research critically.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	2	2	2	2	2	4	4	0	2	2
L02	1	1	1	1	1	5	3	0	1	1
L03	3	3	3	3	3	5	3	0	3	3
L04	4	4	4	4	4	5	4	0	4	4

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to research methods, nature and ethics of research	L01, L02
Conducting a literature review: writing style and guidelines	L03, L04
Economic modeling, Dataset construction and manipulation, hypothesis testing, regression analysis, empirical methodologies	L01, L02, L03
Designing a research, finding and formulating research questions, reviewing the literature, determining suitable research methods	L03, L04
Writing research proposals, revision of the papers, presenting research paper in class	L03, L04

DERS BİLGİLERİ

Kodu	ECON 403
İsmi	Araştırma Yöntemleri
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/4
Dönem	Güz
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Derste bilimsel araştırma yapmaya hazırlık niteliğinde bilgiler verilir. Örnek konular akademik araştırmalarda bilimsel yöntemlere giriş, araştırmaya giriş, araştırmalarda ampirik ve teorik yöntemlerin tanım ve karşılaştırmaları, araştırma probleminin tanımlanması ve biçimlendirilmesi, araştırma tasarımı, ekonomik modelleme, örnekleme yöntemleri, anket tasarım ve yöntemleri, veri toplama yöntemleri, literatür incelemesi, regresyon analizi ve tasarımı, doğru referans ve atıf verme, araştırma önerisi yazımı, araştırmanın sunumu konuları ve benzerleri olarak seçilir.

COURSE RECORD

Code	ECON 407
Name	Financial Markets and Institutions
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Fundamental knowledge related to financial markets, institutions and their mechanics is provided throughout the course. It is aimed to show students how these markets work and institutions operate in the face of other economic agents' reactions. Students are introduced to basic financial analysis tools that will guide them during their professional financial decision making processes and help them examine key financial statistics found in real life examples and in the literature.
Objectives	Introducing financial markets and their foundations. Introducing basic financial tools. Defining and reviewing key financial statistics. Providing knowledge necessary for financial decision making processes.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Describe the system of financial markets. L02. Measure the return on financial assets and interest rates. L03. Explain the mechanics of fixed income securities' markets. L04. Evaluate how to hedge and invest on risky assets.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	5	5	3	5	5	3	3	5
L02	5	5	5	5	3	5	5	4	3	5
L03	5	5	5	5	3	5	5	4	3	5
L04	5	5	5	5	3	5	5	4	3	5

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Financial markets	L01
Interest rates and central banking	L01, L02
Securities markets	L01, L02, L03
Risk and financial derivatives	L01, L02, L04

DERS BİLGİLERİ

Kodu	ECON 407
İsmi	Finansal Piyasalar ve Kurumlar
Haftalık Saati	3 (3 + 0)
Kredi	3

AKTS	5
Seviye/Yıl	Lisans/4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Derste finansal piyasalar, kurumlar ve mekanizmalar ile ilgili temel bilgiler sunulur. Öğrencilere diğer ekonomik aktörlerin davranışlarına göre bu piyasaların nasıl çalıştığının ve kurumların nasıl işlediğinin öğretilmesi amaçlanır. Derste, öğrencilerin kendilerine ait profesyonel finansal karar verme süreçlerine kılavuzluk edecek ve gerçek hayat örneklerinde ve literatürde bulunan önemli finansal istatistikleri değerlendirmelerini sağlayacak giriş seviyesinde finansal analiz araçları tanıtılır.

COURSE RECORD

Code	ECON 408
Name	Economies of Far East
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is designed to take Far East region as the case study and to focus on the peculiar economic development as well as specific economic characteristics in this region. Subjects such as economies of Far East and competition, trade and investment in Far East, Chinese economy, Japanese economy, South Korean economy, economic growth models of Far Eastern economies, regional economic cooperation and integration in Far East and exchange rate policies in the economies of Far East are examined.
Objectives	Introducing key concepts and terms on political economy of Far Eastern countries. Providing knowledge on the economic structure and on level of economic development in the Far East region. Building perspectives on the future of the region's economic development and economic integration.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Recognize the economic structure of the related region. L02. Use various sources of information to analyze and identify modern trends in economic and political development of Far East Asia. L03. Prepare a report, an analytical review, a presentation or an essay on the economy of the related Far East Asia countries. L04. Predict the future of the region's development and economic integration.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	4	2	2	4	3	0	0	4	1
L02	5	3	2	2	3	3	0	0	3	1
L03	4	3	2	2	2	3	0	0	2	1
L04	5	3	3	3	3	3	0	0	3	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Economies of Far East and competition, Asian business systems, Asian cultures and management, trade and investment in Far East	L01, L02
Economic growth models of Far Eastern economies, exchange rate policies in the economies of Far East	L01, L02, L04
Regional economic cooperation and integration in Far East	L01, L02
Chinese economy, Japanese economy, South Korean economy	L01
Case studies from Far East countries	L03, L04

DERS BİLGİLERİ

Kodu	ECON 408
İsmi	Uzak Doęu Ekonomileri
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Derste Uzak Doęu vaka çalışma alanı olarak belirlenir ve bu alanın kendine özgü ekonomik gelişimi ve ekonomik özellikleri incelenir. Ders içerięi olarak Uzak Doęu ekonomileri ve rekabet, Uzak Doęu'da ticaret ve yatırım, Çin ekonomisi, Japonya ekonomisi, Güney Kore ekonomisi, Uzak Doęu ekonomilerinin büyüme modelleri, Uzak Doęu'da bölgesel ekonomik işbirlięi ve birleşme/entegrasyon, Uzak Doęu ekonomilerinde döviz kuru politikaları ve benzer konular incelenir.

COURSE RECORD

Code	ECON 409
Name	Health Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Main aims of the course are to provide an introduction for conceptual definitions and a basic understanding of interactions between consumers, firms, governments, health services, and health spending. Microeconomic models and empirical studies are used as basic tools throughout the course to analyze these interactions. In addition, topics such as demand for health services, supply of health services, market types in the health sector, health insurance, and economic evaluation in health services are examined throughout the course.
Objectives	Introducing the basic concepts and methodology of health economics. Showing examples of economic problems and challenges associated with common and main health systems. Illustrating implementations of microeconomic and macroeconomic tools and theories in order to examine economic problems related to health sector.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Recognize the concepts and methodologies of health economics. L02. Identify the factors affecting health care supply and demand. L03. Apply economic evaluation methods in health services. L04. Examine the health expenditures of countries.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	4	3	3	4	3	0	0	3	1
L02	4	4	2	2	4	3	0	0	3	1
L03	3	1	2	2	3	3	0	0	2	1
L04	4	4	2	2	4	3	0	0	3	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to health economics, demand and supply of health	L01, L02
Markets and market failure in health and health care, health insurance	L01, L02, L04
Economic evaluation of health interventions	L01, L03
Health and development, health systems and financing, health policy and reforms	L01, L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 409
İsmi	Sağlık Ekonomisi

Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Derste tüketiciler, firmalar, sağlık hizmetleri, sağlık harcamaları ve hükümetler arasındaki karşılıklı ilişkiler ile ilgili temel bilgilerin sunulması ve başlangıç düzeyinde bir anlayış geliştirilmesi amaçlanır. Ders süresince mikroekonomik modeller ve ampirik çalışmalar bu ilişkilerin incelenmesinde temel araçlar olarak kullanılır. Ek olarak, ders içeriğinde sağlık hizmeti talebi, sağlık hizmeti arzı, sağlık sektöründe pazar çeşitleri, sağlık sigortası ve sağlık hizmetlerinin ekonomik değerlendirmesi gibi konular bulunur.

COURSE RECORD

Code	ECON 410
Name	Input-Output Analysis
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is designed to introduce and examine the history and roots of the input-output analysis technique, and interest rate calculations, inflation calculations, efficiency calculations, interrelations among sectors, economic models and international competition in relation to input-output analysis. Among other related economic approaches and concepts, topics such as Leontief model, input-output models at regional level and input-output models at interregional level are included in the course content.
Objectives	Introducing key concepts of input-output analysis. Developing a basis for understanding the structure of input-output models and for working with them. Developing skills of applying input-output analysis in example cases in the world economy.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Explain the technical and basic concepts related to input-output analysis. L02. Model the problems that can be faced in the field of economics with input-output analysis and other related methods. L03. Apply input-output analysis for understanding world economy. L04. Predict possible results of applied policies with the help of input-output analysis methods.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	3	3	4	2	5	0	0	3	2
L02	4	4	3	4	2	5	0	0	3	2
L03	4	4	3	4	3	5	0	0	3	3
L04	3	4	2	4	2	5	0	0	2	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to input-output analysis, Leontief model	L01, L02
Input-output models at the regional and interregional levels	L01, L02
Discussion of a scientific paper, practical work, final presentations	L01, L03, L04

DERS BİLGİLERİ

Kodu	ECON 410
İsmi	Girdi-Çıktı Analizi

Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders girdi-çıkıtı analizi tekniğinin tarih ve kökenini tanıtmak ve incelemek, ve ek olarak faiz hesaplaması, enflasyon hesaplaması, verimlilik hesaplaması, sektörler arasındaki ilişki, ekonomik modeller ve uluslararası rekabet konuları gibi konuları girdi-çıkıtı analizi ile ilişkilendirerek tanıtmak üzere tasarlanmıştır. Diğer ilgili ekonomik yaklaşım ve kavramlara ek olarak Leontief modeli, bölgesel düzeyde girdi-çıkıtı modelleri ve bölgelerarası düzeyde girdi-çıkıtı modelleri gibi konular da ders içeriğinde yer alır.

COURSE RECORD

Code	ECON 411
Name	Selected Topics in Financial Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is mainly designed to enable students develop their analysis skills within the framework of financial economics through reading, examining and discussing academic articles in the field of financial economics. Selected topics in financial economics that are related to risk and risk aversion, financial crises, capital allocation decisions, term structure of interest rates, bond yields, financial regulations, interest rate risks, and behavioral finance are included in the course content.
Objectives	Reviewing the basic concepts of financial economics. Providing foundations for formally discussing selected topics in the field of financial economics. Applying microeconomic, macroeconomic and applied econometric techniques to study financial markets.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Summarize the subjects on the field of financial economics. L02. Use microeconomic and macroeconomic theoretical tools to analyze financial markets and financial instruments. L03. Use econometric techniques to analyze and interpret financial data. L04. Use written and verbal communication skills to present and discuss a research topic in the field of financial economics.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	4	5	4	1	4	0	0	1	1
L02	4	3	5	4	1	5	0	0	1	1
L03	4	3	5	4	1	5	0	0	1	1
L04	4	3	4	3	1	5	0	0	1	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Financial economics: an overview, selecting a research topic	L01, L04
Risk and risk aversion, capital allocation decisions, term structure of interest rates, bond yields, interest rate risks, behavioral finance	L01, L02, L03
Research presentation	L04

DERS BİLGİLERİ

Kodu	ECON 411
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İsmi	Finansal Ekonomide Seçilmiş Konular
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders temel olarak öğrencilerin akademik makale okuma, inceleme ve tartışma çerçevesinde finansal ekonomi alanında analiz yapabilme yetisi geliştirmelerini sağlamak üzere tasarlanmıştır. Risk, riskten kaçınma, finansal krizler, sermaye tahsis kararları, faiz oranlarının vade yapısı, tahvil getirileri, finansal regülasyon, faiz oranı riskleri ve davranışsal finans ile ilgili ve finansal ekonomi alanında seçilmiş konular ders içeriğinde yer alır.

COURSE RECORD

Code	ECON 413
Name	Current Topics in Microeconomics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	New research areas that have been developed in the last 5-10 years in the field of microeconomics are examined through original research papers and presentations. Aims include introducing current research in the field of microeconomics, forming bridges between the curriculum course contents and current research if possible, forming an understanding of the similarities and differences between classical and new research examples, and deepening economic understandings of students through discussions and examinations of new research.
Objectives	Introducing the most recent discussions in the field of microeconomics. Reviewing selected recent research in the area of microeconomics. Analyzing theories and empirical studies that are currently being used by researchers in the field. Showing examples of how microeconomic theories and models are applied by researchers.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Explain the methods and practices used in microeconomics. LO2. Discuss empirical evidence and microeconomic phenomena in a variety of areas. LO3. Examine main principles and concepts of microeconomics. LO4. Evaluate existing literature on microeconomics.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	4	0	3	4	1	3	2	0	1
L02	4	4	1	0	1	0	2	1	0	2
L03	2	2	0	0	1	0	1	3	1	1
L04	4	3	0	1	1	0	3	1	3	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Microeconomic theory	L01, L02, L03
Applied microeconomics	L01, L02, L04
Public economics	L02, L04
Special topics	L01, L02, L04

DERS BİLGİLERİ

Kodu	ECON 413
İsmi	Mikroekonomide Güncel Konular
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Mikroekonomi alanında son 5-10 yılda gelişmeye başlayan araştırma konuları özgün makaleler ve sunumlar ile anlatılır ve incelenir. Dersin amaçları arasında mikroekonomi alanındaki güncel araştırma konularının tanıtılması, mümkün olduğunda müfredatta bulunan derslerin içerikleri ile bu araştırmalar arasında bağlantıların kurulması, klasik ve yeni araştırma örnekleri arasındaki benzerlik ve farklılıklar üzerine bir anlayış geliştirilmesi ve yeni araştırmaların incelenip tartışılması yöntemi ile öğrencilerin ekonomi bilgilerinin derinleştirilmesi bulunur.

COURSE RECORD

Code	ECON 414
Name	Current Topics in Macroeconomics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	New research areas that have been developed in the last 5-10 years in the field of macroeconomics are examined through original research papers and presentations. Aims include introducing current research in the field of macroeconomics, forming bridges between the curriculum course contents and current research if possible, forming an understanding of the similarities and differences between classical and new research examples, and deepening economic understandings of students through discussions and examinations of new research.
Objectives	Introducing the most recent discussions in the field of macroeconomics. Reviewing selected recent research in the area of macroeconomics. Analyzing theories and empirical studies that are currently being used by researchers in the field. Showing examples of how macroeconomic theories and models are applied by researchers.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Explain the methods and practices used in macroeconomics. LO2. Discuss empirical evidence and macroeconomic phenomena in a variety of areas. LO3. Examine main principles and concepts of macroeconomics. LO4. Evaluate existing literature on macroeconomics.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	2	0	3	1	0	0	0	1	0
L02	4	0	2	3	2	2	3	1	2	0
L03	5	3	0	4	1	0	0	0	1	0
L04	4	3	0	3	0	2	3	1	3	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Macroeconomic theory	L01, L02, L03
Applied macroeconomics	L01, L02, L04
Financial applications	L02, L04
Special topics	L01, L02, L04

DERS BİLGİLERİ

Kodu	ECON 414
İsmi	Makroekonomide Güncel Konular
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Makroekonomi alanında son 5-10 yılda gelişmeye başlayan araştırma konuları özgün makaleler ve sunumlar ile anlatılır ve incelenir. Dersin amaçları arasında makroekonomi alanındaki güncel araştırma konularının tanıtılması, mümkün olduğunda müfredatta bulunan derslerin içerikleri ile bu araştırmalar arasında bağlantıların kurulması, klasik ve yeni araştırma örnekleri arasındaki benzerlik ve farklılıklar üzerine bir anlayış geliştirilmesi ve yeni araştırmaların incelenip tartışılması yöntemi ile öğrencilerin ekonomi bilgilerinin derinleştirilmesi sayılabilir.

COURSE RECORD

Code	ECON 415
Name	Selected Topics in Microeconomics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Main aim of the course is to introduce further subjects in the field of microeconomics that are related to microeconomics courses in the core curriculum. 4-8 topics in microeconomics are examined at undergraduate level. Topics are chosen among those that have not been examined or thoroughly examined in the microeconomics courses in the core curriculum. Course is also designed to enable students develop their analytic skills within the framework of microeconomics through reading and examining academic articles and further illustrations of main subjects taught in the core curriculum.
Objectives	Providing additional examples of core concepts and subjects in the field of microeconomics in addition to the basics. Applying the knowledge acquired in previous courses in discussions and analyses of specific cases in microeconomics. Developing the ability to analyze and discuss subjects in the field of microeconomics critically.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Discuss key microeconomic concepts. L02. Summarize different theoretical models in a conceptually and analytically rigorous form. L03. Evaluate the most suitable methods for approaching a given topic. L04. Use written and verbal communication skills to present and discuss a research topic in the field of microeconomics.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	4	4	4	4	3	3	3	1
L02	5	5	4	4	4	4	3	3	2	1
L03	5	4	3	4	4	5	3	3	2	1
L04	4	3	2	3	3	4	2	2	1	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to microeconomics: an overview, selecting a research topic	L01, L02
Consumer theory, producer theory, market equilibrium, market failure, risk and uncertainty, income distribution, basic concepts of game theory	L01, L02, L03
Research presentation	L04

DERS BİLGİLERİ

Kodu	ECON 415
İsmi	Mikroekonomide Seçilmiş Konular
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin temel amacı temel müfredatta bulunan mikroekonomi dersleri ile bağlantılı olan diğer konuların tanıtılmasıdır. Mikroekonomi alanındaki 4-8 konu lisans düzeyinde incelenir. Konular daha önceki temel mikroekonomi derslerinde kapsanmamış ya da ayrıntılı olarak incelenmemiş konulardan seçilir. Ders ayrıca öğrencilerin mikroekonomi alanındaki ve temel müfredat konularından daha ileri düzeydeki kavramların örneklerini ve akademik makaleleri okuyarak ve inceleyerek mikroekonomi çerçevesinde analiz yapma becerilerini geliştirmek üzere tasarlanır.

COURSE RECORD

Code	ECON 416
Name	Selected Topics in Macroeconomics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Main aim of the course is to introduce further subjects in the field of macroeconomics that are related to macroeconomics courses in the core curriculum. 4-8 topics in macroeconomics are examined at undergraduate level. Topics are chosen among those that have not been examined or thoroughly examined in the macroeconomics courses in the core curriculum. Course is also designed to enable students develop their analytic skills within the framework of macroeconomics through reading and examining academic articles and further illustrations of main subjects taught in the core curriculum.
Objectives	Providing additional examples of core concepts and subjects in the field of macroeconomics in addition to the basics. Applying the knowledge acquired in previous courses in discussions and analyses of specific cases in macroeconomics. Developing the ability to analyze and discuss subjects in the field of macroeconomics critically.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Discuss key macroeconomic concepts. L02. Summarize different theoretical models in a conceptually and analytically rigorous form. L03. Evaluate the most suitable methods for approaching a given topic. L04. Use written and verbal communication skills to present and discuss a research topic in the field of macroeconomics.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	4	4	4	4	3	3	3	1
L02	5	5	4	4	4	4	3	3	2	1
L03	5	4	3	4	4	5	3	3	3	1
L04	4	3	2	3	3	4	2	2	2	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to macroeconomics: an overview, selecting a research topic	L01, L02
National income accounting, unemployment, inflation, financial markets, monetary and fiscal policy, economic growth,	L01, L02, L03
Research presentation	L04

DERS BİLGİLERİ

Kodu	ECON 416
İsmi	Makroekonomide Seçilmiş Konular
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin temel amacı temel müfredatta bulunan makroekonomi dersleri ile bağlantılı olan diğer konuların tanıtılmasıdır. Makroekonomi alanındaki 4-8 konu lisans düzeyinde kapsanır. Konular daha önceki temel makroekonomi derslerinde kapsanmamış ya da ayrıntılı olarak incelenmemiş konulardan seçilir. Ders ayrıca öğrencilerin makroekonomi alanındaki ve temel müfredat konularından daha ileri düzeydeki kavramların örneklerini ve akademik makaleleri okuyarak ve inceleyerek makroekonomi çerçevesinde analiz yapma becerilerini geliştirmek üzere tasarlanır.

COURSE RECORD

Code	ECON 421
Name	Growth Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is aimed at examining issues related to economic growth from both theoretical and empirical perspectives starting from the basic definitions, terminology and questions in growth economics. Basic theories of economic growth, growth policies, structural transformations, effects of economic growth on economic dynamics (such as production and consumption) and related subjects are examined throughout the course. In addition, contemporary applications and issues such as sustainable growth, effects of economic growth on social dynamics and vice versa are discussed in detail.
Objectives	Introducing the fundamental theories explaining economic growth. Illustrating the diversity of theories and perspectives within growth literature. Providing knowledge on the patterns of structural transformations. Introducing existing policy options to enhance economic growth.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Interpret growth models. L02. Identify potential problems with conducting a growth policy. L03. Discuss major economic issues about promoting economic growth. L04. Design simple growth models.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	4	0	5	4	3	1	0	0	0
L02	5	5	0	4	4	2	2	2	0	0
L03	5	4	4	4	4	2	2	1	3	0
L04	4	4	3	4	3	2	2	0	0	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Concepts and measurement of growth	L01
Economic growth and economic dynamics, problems and policies	L02, L03, L04
Structural transformation	L01, L03
Heterodox theories	L01, L02
Sustainable growth	L03, L04

DERS BİLGİLERİ

Kodu	ECON 421
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İsmi	Byme Ekonomisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dnem	Gz, Bahar
Dersin Dili	İngilizce
Tip	Semeli
n Şart	
İerik	Derste ekonomik byme ile ilgili soruların byme ekonomisi alanındaki temel tanımlar, terminoloji ve sorulardan başlanarak teorik ve ampirik olarak incelenmesi amaçlanır. Ders sresince temel byme teorileri, byme politikaları, yapısal dnşmler, bymenin (retim ve tketim gibi) diğer ekonomik dinamiklere etkisi ve ilgili konular incelenir. Ek olarak, srdrlebilir byme, bymenin sosyal dinamiklere ve sosyal dinamiklerin ekonomik bymeye etkileri gibi gncel uygulamalar ve sorunlar ayrıntılı olarak tartıřılır.

COURSE RECORD

Code	ECON 422
Name	Development Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Development economics is taken as an ever-growing field which receives much interest from both state organizations and non-governmental organizations. Taking these two aspects into account, the course is aimed at examining basic and main theories of economic development by relating these to subjects such as development policies and general effects of economic development. Relations between development and growth, trade, business cycles and other economic phenomena are also discussed. In addition, subjects and issues such as inequality and gender issues are examined.
Objectives	Introducing the causes and consequences of different patterns of development. Providing knowledge on structural features of developing economies. Introducing development policy and related concepts. Providing information on the categories of policies that can be applied in different economic settings and how to measure their effects.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Discuss theories of development. L02. Compare various paths of economic development and their applications from different perspectives. L03. Discuss the policy framework and operational challenges of development. L04. Analyze key economic problems in developed and underdeveloped countries.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	2	0	3	3	1	0	0	1	0
L02	5	4	0	4	5	0	3	0	4	0
L03	5	3	0	2	5	0	4	3	4	2
L04	5	5	0	4	5	2	5	3	3	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction to economic development, classic and modern theories of development	L01, L02
Developmentalist theories	L02, L03
Poverty, inequality and development	L03, L04
Development and urbanization, migration, trade	L03, L04

DERS BİLGİLERİ

Kodu	ECON 422
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İsmi	Kalkınma Ekonomisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Kalkınma ekonomisi hem devlet kurumları hem de sivil toplum kuruluşları tarafından ilgi gören ve sürekli gelişen bir alan olarak incelenir. Bu iki aktör dikkate alınarak derste temel ve başlıca kalkınma teorileri, kalkınma politikaları, kalkınmanın genel etkileri gibi konular ile ilişkilendirilerek incelenir. Kalkınma ve büyüme, ticaret, iş döngüleri ve diğer ekonomik olaylar arasındaki ilişkiler de ders süresince tartışılır. Ek olarak, eşitsizlik ve cinsiyetçilik gibi konular ve sorunlar da incelenir.

COURSE RECORD

Code	ECON 424
Name	Environmental Economics and Policy
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Necessary information and foundations for gaining an understanding and making analyses of the basic problems in environmental economics is provided throughout the course. Topics are developed in order to encompass the analysis of market failures and policy tools for the solutions of related problems. In addition, subjects such as the theory of public space usage, pollution markets, definition of customer behaviors in the field of environmental economics and their analyses are introduced.
Objectives	Introducing basic problems in environmental economics. Providing knowledge on existing measurements of sustainability in relation to discussions in the field of environmental economics. Developing basic knowledge about policy tools for the analysis and solutions of market failures and related problems in the field of environmental economics.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Define relationships between economics and environmental issues. LO2. Discuss environmental valuation and decision-making techniques. LO3. Interpret market failures that cause or emerge after environmental crises. LO4. Examine environmental policies and existing policy related tools.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	0	0	0	1	5	0	3	2	5	2
L02	2	3	1	2	5	1	4	2	4	1
L03	3	0	1	2	5	2	3	3	5	2
L04	0	0	0	0	5	1	4	3	4	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Environmental thinking in economics	L01
Theoretical foundations of environmental economics	L01, L02
Efficiency, benefits and costs	L02, L03
Environment and sustainability, market failures	L03, L04

DERS BİLGİLERİ

Kodu	ECON 424
İsmi	Çevre Ekonomisi ve Politikası

Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Derste çevre ekonomisindeki temel problemlerin anlaşılmasında ve analizinde gerekli olan temel bilgiler ve kavramsal çerçeve verilir. Konular piyasa başarısızlıkları analizlerinin ve ilgili sorunların çözümü için kullanılan politika araçlarının kapsanacağı biçimde geliştirilir. Ek olarak, ortak alan kullanım teorisi, kirlilik piyasası, çevre ekonomisi alanında müşteri davranışlarının tanımı ve analizi gibi konular tanıtılır ve tartışılır.

COURSE RECORD

Code	ECON 427
Name	Seminar in Theoretical Research in Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Aim of the course is to introduce the nature of the existing milestone theoretical research in economics, and thus to increase the knowledge of students in relation to theoretical subjects and theoretical research in economics through examples. 3-4 influential theoretical research examples are examined in both microeconomics and macroeconomics through academic articles. Through the course, students are provided with the opportunity to see and discuss applications, extensions and various usage ways and areas of the theoretical concepts and subjects they have encountered in core economics courses.
Objectives	Introducing seminal theoretical research articles in the field of economics. Providing foundational knowledge on existing theoretical research methodologies in economics literature. Developing the abilities to analyze and discuss steps of developing a theoretical research project.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Explain the issues involved in a major economic problem. L02. Analyze alternative methodologies in theoretical research. L03. Debate on how to use economic theories and models for research. L04. Conduct literature review on a research topic.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	4	3	0	0	2	0	2	0	2	1
L02	3	0	0	0	3	0	3	0	1	2
L03	4	3	0	0	3	0	2	0	1	1
L04	3	0	0	0	2	0	4	0	2	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Reading research examples, writing short reports identifying main parts of the examples and posing questions	L01, L03
Presentations of research examples	L01, L03, L04
Writing short discussion reports responding to questions posed in presentations	L01, L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 427
İsmi	Ekonomide Teorik Araştırma Konularında Seminer

Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin amacı ekonomi alanında başlıca ve temel kabul edilen teorik arařtırmaların tanıtılması ve böylece öğrencilerin ekonomi alanındaki teorik konular ve teorik arařtırmalar konularında bilgilerinin örneklerle geliştirilmesidir. Mikroekonomi ve makroekonomi alanlarında etkili ve tanınır olmuş 3-4'er teorik arařtırma örneđi makaleler ile incelenir. Ders süresince öğrencilere temel ekonomi derslerinde karşılařtıkları teorik kavram ve konuların uygulama, uzantı ve çeşitli kullanım yöntem ve alanlarını görme ve tartışma olanađı sunulur.

COURSE RECORD

Code	ECON 428
Name	Seminar in Empirical Research in Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Aim of the course is to introduce the nature of the existing milestone empirical research in economics, and thus to increase the knowledge of students in relation to empirical subjects and empirical research in economics through examples. 3-4 influential empirical research examples are examined in both microeconomics and macroeconomics through academic articles. Through the course, students are provided with the opportunity to see and discuss applications, extensions and various usage ways and areas of the empirical concepts and subjects they have encountered in core economics courses.
Objectives	Introducing seminal empirical research articles in the field of economics. Providing foundational knowledge on existing empirical research methodologies in the economics literature. Developing skills to analyze and discuss steps of developing an empirical research project.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Explain the issues involved in a major economic problem. L02. Analyze alternative methodologies in empirical research. L03. Debate on how to use empirical tools and models for research. L04. Conduct literature review on a research topic.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	3	2	0	0	1	2	3	0	2	1
L02	4	2	0	0	1	5	4	0	1	2
L03	3	0	0	0	1	1	4	0	1	1
L04	4	1	0	3	1	5	4	0	2	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Reading research examples, writing short reports identifying main parts of the examples and posing questions	L01, L03
Presentations of research examples	L01, L03, L04
Writing short discussion reports responding to questions posed in presentations	L01, L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 428
İsmi	Ekonomide Ampirik Araştırma Konularında Seminer

Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin amacı ekonomi alanında başlıca ve temel kabul edilen ampirik araştırmaların tanıtılması ve böylece öğrencilerin ekonomi alanındaki ampirik konular ve araştırmalar konularında bilgilerinin örneklerle geliştirilmesidir. Mikroekonomi ve makroekonomi alanlarında etkili ve tanınır olmuş 3-4'er ampirik araştırma örneği makaleler ile incelenir. Ders süresince öğrencilere temel ekonomi derslerinde karşılaştıkları ampirik kavram ve konuların uygulama, uzantı ve çeşitli kullanım yöntem ve alanlarını görme ve tartışma olanağı sunulur.

COURSE RECORD

Code	ECON 450
Name	Undergraduate Research Project
Hour per week	2 (2 + 0)
Credit	2
ECTS	5
Level/Year	Undergraduate/4
Semester	Spring
Type	Compulsory
Prerequisites	
Description	During the research project students are guided to examine the literature on a thesis topic in order to specify their thesis research subjects, to evaluate the literature on a thesis subject/question in order to determine its significance and contribution, to determine the variables of interest in the analysis of the thesis subject, and to analyze suitable method examples. Students are thus led to receive scientific guidance for writing a research project and to gain experience on research project writing.
Objectives	Applying the knowledge gained in economics courses on an original economic research problem. Developing skills to analyze, discuss and apply economic research methodologies. Providing the experience for completing a research project independently.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Examine the literature on a research topic. L02. Determine the variables of interest in the analysis of the research subject. L03. Analyze suitable methods. L04. Conduct an independent research project.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	3	0	0	0	4	0	4	0	2	1
L02	4	4	0	0	5	3	5	0	1	2
L03	4	3	0	0	5	5	4	0	1	1
L04	5	4	0	4	4	4	5	0	2	1

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Research question	L02, L03
Related literature	L01
Research proposal	L02, L03
Data collection and analysis	L04
Evaluation, discussion, presentation of the results	L04

DERS BİLGİLERİ

Kodu	ECON 450
İsmi	Lisans Araştırma Projesi

Haftalık Saati	2 (2 + 0)
Kredi	2
AKTS	5
Seviye/Yıl	Lisans/4
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	
İçerik	Lisans Araştırma Projesi'nde öğrencinin tez konusu olarak belirlediği alanla ilgili literatürü inceleyip araştırma projesi konusunu belirlemesi, araştırma projesi konusu/sorusu ile ilgili literatürü değerlendirerek konu/sorunun önem ve katkısını belirlemesi, konunun hangi değişkenler açısından analiz edildiğini/edileceğini belirlemesi ve uygun yöntem örneklerini incelemesi sağlanır. Böylece öğrencilere araştırma projesi yazımı sırasında gereken bilimsel rehberliğin sunulması ve araştırma projesi yazma tecrübesinin kazandırılması amaçlanır.

COURSE RECORD

Code	ECON 499
Name	Internship
Hour per week	0 (0 + 2)
Credit	1
ECTS	7
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Compulsory
Prerequisites	See related documents on the Department's web page
Description	Internship program is for economics undergraduate students to be introduced to working and business life prior to graduation and therefore accumulate certain levels of related job experience before they are employed as graduates. It is aimed throughout the program that students learn and choose business areas that are compatible with their skills and interests, and they also seize the opportunity to observe real-life applications of the discipline of economics and other related disciplines that they have encountered during their coursework. Additionally, it is aimed that students find room to apply the practices they have learned in their courses.
Objectives	Providing students with the opportunity to have a real-world experience in a workplace setting where students can employ their economic knowledge. Providing students with learning experience that allows interns to receive mentoring on-the-job during the internship. Enabling students to observe the dynamics of their business areas of interest in workplaces.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Relate the theoretical knowledge gained in courses to real-life problems that are faced in business environment of internship. LO2. Match necessary skills and knowledge both personally and in relation to professional areas. LO3. Find out more information about the possibilities of employment in potential areas of interest. LO4. Examine application areas of practical knowledge that are not explicitly taught in the curriculum. LO5. Use knowledge and experience pertaining to working environments of graduates of economics and related disciplines.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	1	0	1	0	5	2	1	0	2
L02	0	0	0	0	0	4	3	1	0	1
L03	1	0	0	0	0	0	0	1	0	0
L04	1	0	0	0	0	0	0	1	0	0
L05	1	1	0	0	0	4	1	1	0	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Determination of the place of internship and having it approved by the commission	L01, L02, L03

Fulfillment of the duties and responsibilities by the student during the internship process	L01, L02, L03, L04, L05
Filling the internship report file and having it approved	L01, L02, L04, L05
Presentation of the period of internship	L01, L02, L04, L05

DERS BİLGİLERİ

Kodu	ECON 499
İsmi	Staj Uygulaması
Haftalık Saati	0 (0 + 2)
Kredi	1
AKTS	7
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	Bkz. Bölüm web sayfasında bulunan ilgili dökümanlar
İçerik	Staj programı ekonomi lisans öğrencilerinin mezun olmadan önce iş hayatını tanımaları ve bu sayede işe başlamadan önce belirli bir tecrübe ve bilgi birikimi kazanmaları için hazırlanmış bir programdır. Program boyunca öğrencilerin beceri ve ilgi alanlarına uygun iş alanlarını öğrenmeleri ve seçmeleri hedeflenirken, aynı zamanda ekonomi disiplini ve öğrenimleri sırasında karşılaştıkları diğer ilgili disiplinlerle ilgili olarak gerçek yaşam uygulamalarını gözleme fırsatı elde etmeleri amaçlanır. Ayrıca öğrencilerin derslerde öğrendikleri uygulamaları ve bilgileri uygulama alanı bulmaları hedeflenir.

COURSES OFFERED FOR OTHER DEPARTMENTS**COURSE RECORD**

Code	ECON 222
Name	Economics for Engineers
Hour per week	3 (3 + 0)
Credit	3
ECTS	4
Level/Year	Undergraduate/2,3,4
Semester	Fall, Spring
Type	Compulsory / Elective (May change depending on departments of engineering)
Prerequisites	
Description	Aim of the course is to introduce the principal concepts of microeconomics, targeted towards engineering undergraduate students, through specifically examining topics that are of special interest for production and technology firms and markets. Subjects such as preferences, various production and cost functions, market structures, externalities, categories of goods and products are examined. At the same time, a sample of macroeconomic concepts that are essential to understand the modern economy are also examined.
Objectives	Introducing basics of economic thinking. Introducing basic microeconomic models. Providing basic tools to analyze products and markets from an economic point of view. Developing students' awareness of economic aspects of global issues.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Explain variations of basic economic models. LO2. Analyze products and markets using basic economic models. LO3. Analyze some global issues, such as environmental problems and common resources, from an economic point of view. LO4. Discern between positive and normative economic questions.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	5	2	4	4	3	3	2	3	0
L02	5	5	2	4	3	3	3	2	3	0
L03	4	4	2	4	5	2	3	2	4	0
L04	3	4	2	4	5	2	3	2	3	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Theories of consumer choice and production	L01, L02
Welfare theory and market failures	L01, L02, L03, L04
Monopolistic competition, oligopoly	L01, L02
Introduction to macroeconomics, money and inflation	L01, L02

DERS BİLGİLERİ

Kodu	ECON 222
İsmi	Mühendisler için Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	4
Seviye/Yıl	Lisans/2,3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Zorunlu / Seçmeli (İlgili mühendislik bölümlerine göre değişken)
Ön Şart	
İçerik	Dersin amacı mikroekonominin temel kavramlarının mühendislik bölümleri öğrencilerine yönelik olarak, özellikle üretim ve teknoloji şirketlerini ve pazarlarını ilgilendiren konular ele alınarak giriş düzeyinde tanıtılmasıdır. Tercihler, çeşitli üretim ve maliyet fonksiyonları, pazar yapıları, dışsallık, mal ve ürün çeşitleri gibi konular incelenir. Derste aynı zamanda modern ekonomiyi anlamaya yönelik bazı makroekonomik kavramlar incelenir.

COURSE RECORD

Code	ECON 340
Name	Industrial Organization
Hour per week	3 (3 + 0)
Credit	3
ECTS	4
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is designed to include fundamental topics in traditional Industrial Organization including imperfect competition, oligopoly theory, Cournot and Bertrand duopoly models, Hotelling's paradox, price discrimination, advertising and other marketing tools. It is aimed to provide students with an understanding of the key functions of markets and competition. Upon completing the course, students are expected to be familiar with imperfect competition conditions, and causes and consequences of market power.
Objectives	Providing a further understanding of the key functionings of markets and competition in addition to related definitions in basic microeconomics. Analyzing imperfect competition conditions where firms hold market power in various ways. Presenting classical models of duopoly including Cournot, Bertrand, Hotelling and Stackelberg models.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Compare perfect and imperfect competition market conditions. L02. Discuss the implications of imperfect competition on welfare. L03. Find Nash equilibrium quantities and prices in Cournot, Bertrand, Hotelling and Stackelberg settings.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	2	4	4	3	5	5	1	3	5
L02	1	2	4	3	2	5	5	1	1	2
L03	5	5	3	5	4	2	4	3	5	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Perfect competition, profit maximization, consumer/producer surplus, Pareto optimality, monopoly	L01
Welfare consequences, monopoly profit maximization problem, Lerner index, sources of market power	L01, L02
Classical models of oligopoly, static oligopoly models, Cournot competition, market power and efficiency, Herfindahl-Hirschman index	L02, L03
Dynamic models of oligopoly, collusion, sequential choice and Stackelberg	L02, L03

DERS BİLGİLERİ

Kodu	ECON 340
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İsmi	Endstriyel Organizasyon
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	4
Seviye/Yıl	Lisans/3,4
Dnem	Gz, Bahar
Dersin Dili	İngilizce
Tip	Semeli
n Şart	
İerik	Ders konuları endstriyel organizasyonun temel konularını ierecek biimde tasarlanır. Eksik rekabet, oligopol teorisi, Cournot ve Bertrand dopol modelleri, Hotelling paradoksu, fiyat farklılaştırmaları, reklam ve diğer pazarlama araları konuları incelenir. Derste ğrencilere pazar ve rekabetin nemli fonksiyonları ile ilgili anlayış kazandırılması amalanır. Dersin tamamlanması ile ğrencilerin eksik rekabet koşulları ile pazar gcnn neden ve sonuları hakkında bilgi sahibi olmaları beklenir.

COURSE RECORD

Code	ECON 343
Name	Economy of the Middle East
Hour per week	3 (3 + 0)
Credit	3
ECTS	4
Level/Year	Undergraduate/2,3,4
Semester	Spring
Type	Elective
Prerequisites	
Description	Course is designed as an introduction to economies of Middle East and Northern Africa (MENA). The regional economics, economic history, economic institutions, and resources that are characteristic for individual and for groups of MENA countries as well as methods used to analyze these subjects are examined. In addition, the concept and theory of "rentier state" is introduced. Knowledge about how these different factors influence each other is presented to enable students to understand the economic development in the region and also to gain an understanding of what to take into consideration in business relations that include MENA countries.
Objectives	Reviewing the basic economic history of the Middle East and North Africa. Introducing different institutional settings of MENA countries. Providing knowledge on economic resources and related characteristics of the MENA region. Introducing economies of some selected MENA countries.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> LO1. Use the basic economic history of the MENA region to explain the region's past and current economy. LO2. Analyze the influences of the institutional settings of MENA countries on their economies. LO3. Analyze the influence of the resource characteristics of the MENA region on its economic development. LO4. Analyze economies of some specific MENA countries.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	5	3	3	4	3	3	5	3	3	0
L02	4	3	3	4	3	2	5	3	3	0
L03	4	3	3	4	3	3	5	3	3	0
L04	4	3	3	4	3	3	5	3	3	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction: defining the region and the methods used in the field of regional economics	L01, L02, L03
History: classical islamic period, colonialism, imperialism, arab socialism, conservative monarchies	L01
Institutions and economic policy: the rentier state, economic liberalization, structural reforms, "arab spring"	L01, L02
Growth and structural change, population growth and employment, capital markets,	L01, L02, L03

savings, investments	
International and intra-regional trade, economic culture(s) of the MENA region, islamic models of economic development, case studies from the MENA region	L01, L02, L04

DERS BİLGİLERİ

Kodu	ECON 343
İsmi	Orta Doğu Ekonomisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	4
Seviye/Yıl	Lisans/2,3,4
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders Orta Doğu ve Kuzey Afrika ekonomilerine giriş dersi olarak tasarlanır. Orta Doğu ve Kuzey Afrika ülkelerine ve bu ülke gruplarına özgü olan bölgesel ekonomi, ekonomi tarihi, ekonomik kurumlar, kaynaklar ve bu konuların analizinde kullanılan yöntemler giriş düzeyinde incelenir. Ek olarak “rantçı devlet” kavramı ve teorisi tanıtılır. Bu çeşitli faktörlerin birbirleriyle etkileşiminin incelenmesi yoluyla öğrencilerin bölgedeki ekonomik kalkınmayı anlamasının sağlanması ve aynı zamanda bu ülkeleri içeren iş ortaklıklarında dikkate alınması gereken unsurlar hakkında da bilgi edinmeleri amaçlanır.

COURSE RECORD

Code	ECON 345
Name	Behavioral Economics
Hour per week	3 (3 + 0)
Credit	3
ECTS	4
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Course is focused on the current methodological issues about the classical assumptions on economic agents built in neoclassical/mainstream economics. Subjects start with the main assumptions on decision-making such as rationality (rational choice) and common knowledge. Subjects of behavioral decision theory, social preferences, time preferences, behavioral game theory, bounded rationality are also introduced and related subtopics are examined. In addition, current developments in psychological and experimental studies are also discussed.
Objectives	Introducing neoclassical economic theory with its fundamental assumptions. Introducing behavioral economics as a subfield of economics. Providing knowledge on the methodological issues in the field of economics. Discussing the contributions of prospect theory and behavioral economics in the broader field of economics.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Demonstrate knowledge about economic theory. L02. Interpret the importance of the assumptions used in economic theory. L03. Understand how behavioral economic theory modified/updated the decision making models in economics.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	5	5	4	1	3	5	3	1	1
L02	1	3	5	3	1	5	5	3	1	1
L03	2	4	5	3	2	4	5	2	3	2

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Assumptions on economic agents	L01, L02
Utility theories	L01, L02
Preferences: endowment effect, time consistency, self-control	L01, L02, L03
Basic and behavioral game theory	L02, L03
Preferences: other regarding, inequality aversion, bounded rationality	L01, L02, L03
Behavioral public policy, neuroeconomics	L01, L02, L03

DERS BİLGİLERİ

Kodu	ECON 345
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İsmi	Davranışsal Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	4
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders klasik/anaakım ekonomide ekonomik birimler üzerinde bulunan klasik varsayımlar ile ilgili güncel ve metodolojik konular odak alınarak tasarlanır. Ders konuları rasyonellik ve ortak bilgi gibi karar verme üzerindeki başlıca varsayımlar ile başlar. Ders süresince davranışsal karar alma teorisi, sosyal tercihler, zaman tercihleri, davranışsal oyun teorisi, sınırlı rasyonellik ve benzeri konular tanıtılır ve ilgili alt konular incelenir. Ek olarak psikolojik ve deneysel çalışmalardaki güncel gelişmeler tartışılır.

COURSE RECORD

Code	ECON 348
Name	Culture and Economy
Hour per week	3 (3 + 0)
Credit	3
ECTS	4
Level/Year	Undergraduate/2,3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	Aim of the course is to introduce and examine, at an introductory level, different approaches to define, measure and evaluate culture, cultural values and culture-specific concepts. Possible impacts of cultural values and worldviews on the development and structure of a national economy as well as the impacts of economic growth and development on culture are discussed. Principal knowledge and instruments that will help in international working environments are presented throughout the course.
Objectives	Developing curiosity regarding other cultures. Discussing some important dimensions of cultures in relation to economy. Presenting examples of how cultures influence economic growth and economic structures of countries. Providing knowledge about basic principles, methods and tools for analyzing problems in intercultural management settings.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Analyze culture and culture's influences as multi-dimensional phenomena. L02. Analyze some of the important dimensions of culture. L03. Explain the influence of culture on economic growth and economic structure. L04. Suggest solutions for problems in intercultural management situations.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	2	1	1	2	3	2	5	2	2	0
L02	2	1	1	3	3	3	5	3	3	0
L03	4	2	1	4	4	3	5	2	3	0
L04	4	3	1	2	2	2	5	4	3	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Introduction: what is culture?, history of the theories about culture and economy, culture and institutions: role of culture in economic theories, worldviews-ideologies and economy	L01, L03
Values: achievement orientation, performance orientation, collectivism, individualism, power distance	L02, L03
Values: masculinity, femininity, gender egalitarianism, uncertainty avoidance, future orientation	L02, L03
Values, growth and economic structure, economic development and cultural change	L01, L03
Culture and communication styles, culture and management styles, challenges of intercultural management	L01, L04

DERS BİLGİLERİ

Kodu	ECON 348
İsmi	Kültür ve Ekonomi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	4
Seviye/Yıl	Lisans/2,3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Dersin amacı kültürü tanımlayan, kültürel değerleri ve kültürlere özel kavramları ölçen ve değerlendiren farklı yaklaşımların giriş düzeyinde tanıtılması ve incelenmesidir. Kültürel değerlerin ve dünya görüşünün milli ekonomik yapının oluşumu ve kalkınması üzerindeki olası etkileri ve aynı zamanda ekonomik büyüme ve kalkınmanın kültür üzerindeki etkileri tartışılır. Derste uluslararası nitelikteki iş ve çalışmalar sırasında yardımcı olacak temel bilgi ve donanımlar sağlanır.

COURSE RECORD

Code	ECON 442
Name	Game Theory
Hour per week	3 (3 + 0)
Credit	3
ECTS	4
Level/Year	Undergraduate/3,4
Semester	Fall, Spring
Type	Elective
Prerequisites	
Description	The course is designed to introduce and examine the fundamentals of equilibrium concepts and related tools in games of complete and incomplete information. Different types of games and existing classifications for these games are introduced. Concepts of Nash equilibrium, Pareto-efficiency, best-response analysis, maximin-minimax methods, solving games with sequential and simultaneous moves, and related subjects are examined throughout the course.
Objectives	Providing a general introduction to game theory. Introducing the concept of Nash Equilibrium. Developing hands on experience on the construction of games from various interactions. Forming a game theoretical basis for analyzing, understanding and predicting the outcomes of various interactions.
Learning Outcomes	<i>By the end of the course, the student will be able to</i> L01. Distinguish simultaneous and sequential games. L02. Determine Nash equilibrium (if any) in various types of games. L03. Analyze the implications of Nash equilibrium and Pareto Efficiency. L04. Solve mixed and continuous games.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
L01	1	2	4	4	3	5	5	2	3	5
L02	1	2	4	1	1	5	5	2	2	3
L03	5	5	3	5	5	1	5	3	5	3
L04	5	5	3	5	5	1	5	3	5	3

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topic	Outcomes
Representation forms: sequential/dynamic games in extensive form, static games in strategic form	L01
Concepts of Nash equilibrium, Pareto-efficiency and dominance.	L02, L03
Iterated elimination of dominated strategies, best-response analysis, maximin-minimax methods for zero-sum games, mixed strategy equilibria, games with continuous moves	L02, L03, L04

DERS BİLGİLERİ

Kodu	ECON 442
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İsmi	Oyun Teorisi
Haftalık Saati	3 (3 + 0)
Kredi	3
AKTS	4
Seviye/Yıl	Lisans/3,4
Dönem	Güz, Bahar
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	
İçerik	Ders tam ve eksik bilgi koşullarını sağlayan oyunlarda denge kavramı ve ilgili konu ve araçların temellerinin tanıtılıp inceleneceği biçimde tasarlanır. Derste farklı oyun çeşitleri ve var olan oyun sınıflandırmaları tanıtılır. Nash denge kavramı, Pareto verimlilik, en iyi cevap analizi, maximin ve minimax yöntemleri, eş zamanlı ve sıralı oyunların çözümleri ve ilgili konular farklı disiplinlerde yaygın kullanılan uygulamaları ile birlikte başlangıç düzeyinde incelenir.