İSTANBUL TİCARET ÜNİVERSİTESİ
İŞLETME FAKÜLTESİ
YÖNETİM BİLİŞİMSİSTEMLERİ (İNGİLİZCE) PROGRAMI 2023-2024 ÖĞRETİM YILI DERS İÇERİKLERİ

ISTANBUL TICARET UNIVERSITY
FACULTY OF BUSINESS
MANAGEMENT INFORMATION SYSTEMS (ENGLISH) PROGRAM 2023-2024 ACADEMIC YEAR COURSE CONTENTS

I. Yıl / I. Yarıyıl / Güz (First Year / First Semester / Fall)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
LNG101	General English 1 / Genel İngilizce 1 This course provides students with a functional level of language proficiency, equipping them with sufficient vocabulary to communicate effectively on general topics. While some lexical limitations may lead to repetition, students are able to engage in routine everyday interactions and handle simple business transactions with ease. They develop an awareness of cultural differences and attitudes, allowing them to recognize and adapt to key variations in communication styles. Students will be able to exchange information, make requests, and express opinions and attitudes in a clear and structured manner. They will also gain the ability to produce continuous written texts that are generally intelligible, with spelling, punctuation, and formatting accurate enough to be easily understood. Additionally, the course emphasizes effective communication in familiar contexts, fostering a good command of the language while acknowledging influences from their native and foreign language exposure. Key topics covered include companies, survival of the fittest in business, leadership, compensation, professional development, and marketing, ensuring that students acquire essential business English skills for practical use.	2	0	2	2	EN	C
GNL101	Ataturk's Principles and History of Revolution 1 / Atatürk İlkeleri ve İnkılap Tarihi 1 This course aims to inform the students about the basic principles of Ataturk and the History of Revolution. Introduction to the course, Ottomans at the end of the 18th century, Selim III, Mahmud II, Egyptian Crisis and Reform, Gülhane Reform Edict and the Crimean War, Tanzimat Reforms, Constitutionalism and Abdulhamid II, The Young Turks, 1908 Revolution and afterward, Balkan Wars. World War I, Reforms during the Young Turk era, Ideological Debates.	2	0	2	2	EN	C
GNL105	Turkish Language 1 / Türk Dili 1 This course focuses on understanding the structure of Turkish and basic grammatical features, comprehending the texts as required, expanding the vocabulary of students. The general goal and principles of teaching Turkish Language lesson, the introduction of subjects, methods that used at the time of giving lesson, the problems of Turkish language, giving information about language-culture, language-communication and language- thought relationship., Kinds of language: Spoken and written language, dialect, accent etc.; The contemporary problems of Turkish. The history of Turkish language, the alphabet used by Turks. The categorization of the languages which live and the place of Turkish language through other world languages., The borrowing words in Turkish., The rules about writing paragraph and kinds of paragraph., The rules about writing composition and finding	2	0	2	2	EN	C

	keynote. Spelling and punctuation., Vowel harmonies and consonant mutations in Turkish., Semantics in Turkish., The wrong usages in expression I., The wrong usages in expression II.						
MAN101	Business Mathematics 1 / İşletme Matematiği 1 The aim of this course is to give the students basic mathematical knowledge, to analyze the problems encountered in the field, to gain the ability to analyze, evaluate and solve problems. Linear Equations and Inequalities, Graphs and Lines, Functions, Elementary Functions: Graphs and Transformations, Quadratic Functions (Parabolas) and Applications to the Economy, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Compound Interest and Continuous Compound Interest, Exponential and Logarithmic Functions, Compound Interest and Continuous Compound Interest, Introduction to Limits, Infinite Limits and Limits at Infinity, Continuity, Introduction to Limits, Infinite Limits and Limits at Infinity, Continuity, The Derivative, Basic Differentiation Properties: constant function rule, power rule, constant multiple property, sum and difference properties, product and quotient rules, Differentials, Marginal Analysis in Business and Economics: marginal cost, revenue, and profit, marginal average cost, revenue, and profit Continuous Compound Interest, Derivatives of Exponential and Logaritmic Functions, The Chain Rule, Implicit Differentiation, Related Rates, Elasticity of Demand	3	0	4	5	EN	C
MUD101	Financial Accounting 1 / Finansal Muhasebe 1 The students who study Financial Accounting should be able to demonstrate an understanding of the following: 1. The basic terminology and concepts of GAAP 2. The process and proper presentation of financial infomation. Introduction, Accounting and Business Environment, Recording Business Transactions 1/2., Recording Business Transactions 2/2, The Adjusting Process, Completing the Accounting Cycle, Merchandising Operations, Merchandise Inventory, Current Assets&Plant Assets, Current&Long-Term Liabilities, Owner's Equity, Financial Statements.	3	0	3	6	EN	C
IKT105	Microeconomics / Mikro Ekonomi This course introduces students to the foundational principles of microeconomics and how economic agents make decisions under conditions of scarcity. Topics include an overview of the course content, the Ten Principles of Economics, and learning to think like an economist. Students will explore interdependence and the gains from trade, market forces of supply and demand, elasticity and its applications, and the effects of government policies on markets. The course also covers the behavior of consumers and producers, market efficiency, the costs of taxation, international trade, externalities, public goods, and common resources. In the latter part of the course, attention is given to the costs of production, the structure and performance of firms in competitive markets, and other market forms such as monopoly, monopolistic competition, and oligopoly, along with the markets for factors of production.	3	0	3	6	EN	C
MAN103	Fundamentals of Business / İşletmenin Temelleri This course provides a comprehensive introduction to the fundamental principles of business administration, aiming to cultivate a business-oriented mindset among students. It covers key topics such as the role of business in society, basic economic concepts, forms of business ownership, and the essentials of entrepreneurship and small business management. Students will explore management roles, functions, and skills, along with organizational structures and teamwork dynamics. Additional topics include human resources management, production and operations systems, marketing principles (including product and pricing strategies), distribution and logistics, financial information and accounting concepts, and the fundamentals of financial management. By the end of the course, students will have a solid foundation in how businesses operate across various functional areas	3	0	5	7	EN	C
Toplam / Total				**21**	**30**		

I. Yıl / II. Yarıyıl / Bahar (First Year / Second Semester / Spring)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
LNG102	General English 2 / Genel İngilizce 2 This course aims to further develop students' English language skills, focusing on reinforcing grammar rules, strengthening written and verbal communication abilities, and enhancing academic reading comprehension. The course includes practical exercises to improve fluency, with an emphasis on commonly used structures in daily conversations. Through interactive activities and structured learning, students will gain confidence in expressing themselves more effectively and naturally in both academic and professional settings.	2	0	2	2	EN	C
GNL102	Ataturk's Principles and History of Revolution 2 / Atatürk İlkeleri ve İnkılap Tarihi 2 This course provides an overview of the political, social, and economic transformations in Turkey from the early 20th century to the present. It begins with World War I, the War of Independence, and the establishment of the Republic of Turkey, followed by an examination of the one-party state and the transition to democracy. Key historical events such as the Democratic Party government, the 1960 military coup, the subsequent return to democracy, the 1980 military coup, and Turgut Özal's economic and political reforms are analyzed. The course also explores the political landscape of the 1990s, the rise of the Justice and Development Party (AKP), and Turkey's ongoing political evolution. Through historical analysis and discussions, students will develop a deeper understanding of modern Turkey's political and social dynamics.	2	0	2	2	EN	C
GNL106	Turkish Language 2 / Türk Dili 2 This course aims to enhance students' written and verbal communication skills by providing a comprehensive understanding of different forms of expression in Turkish. It covers narrative techniques, literary text analysis, spelling and punctuation rules, as well as the fundamentals of critical thinking, academic writing techniques, and effective communication methods. Through theoretical discussions and practical exercises, students will develop their ability to articulate ideas clearly and effectively in both academic and professional settings.	2	0	2	2	EN	C
MAN102	Business Mathematics 2 / İşletme Matematiği 2 This course aims to provide basic concepts of Mathematics such as functions, applications, area between functions, integrals, multivariable calculus, maxima minima and their applications. Integral, integral applications, producers rent, consumer rents, system of linear equation and its application in economics. Linear programming, mathematical modelling, multivariable functions, optimization, optimization and its application in economics. Optimization with multiplier, jocabian matrix, hessian.	3	0	4	5	EN	C
MUD102	Financial Accounting 2 / Finansal Muhasebe 2 The aim of this course is to provide basic understanding of accounting in theory and practice. The context and purpose of financial reporting, review of accounting principles, accounting concepts, financial statements and accounting equation, accounting cycle, recording of transactions, the use of double-entry and accounting systems. Balance sheet, adjusting current assets, balance sheet- adjusting long term operating assets, balance sheet-adjusting marketable securities and long-term investments, balance sheet- adjusting liabilities, balance sheet- adjusting owner's equity, statement of cash flows, preparing trial balance, closing entries, preparing financial statements, general analysis and interpretation of financial statements.	3	0	3	6	EN	C

IKT102	Macroeconomics / Makroekonomi The aim of the course is to provide students the knowledge on fundamental macroeconomics concepts. Introduction to the course: Informing the students about the course, Measuring a Nation's Income, Measuring the Cost of Living, Production and Growth, Saving, Investment, and the Financial System, The Basic Too1s of Finance, Unemployment, The Monetary System, The Monetary System (Cont), Money Growth and Inflation, Open-Economy Macroeconomics: Basic Concepts, A Macroeconomic Theory of the Open Economy, Aggregate Demand and Aggregate Supply, The Influence of Monetary and Fiscal Policy on Aggregate Demand, The Short-Run Trade-off between Inflation and Unemployment.	3	0	3	6	EN	C
MAN104	Introduction to Information Systems and Technologies / Bilişim Sistemleri ve Teknolojilerine Giriş The primary objective of this course is to introduce students to the fundamental concepts of information systems and technologies, with a specific emphasis on Enterprise Resource Planning (ERP) systems. The course aims to develop an understanding of how information systems support business operations, enhance decision-making, and contribute to organizational efficiency. Students will explore the structure, architecture, and core functionalities of ERP systems, gaining insight into how various modules—such as finance, sales, procurement, production, and inventory—are integrated to manage business processes. Through theoretical content the course also seeks to equip students with the foundational knowledge and skills necessary to analyze, evaluate, and work with ERP systems in real-world business environments.	3	0	5	7	EN	C
Toplam / Total				**21**	**30**		
II. Yıl / III. Yarıyıl / Güz (Second Year / Third Semester / Fall)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
MAN201	Statistics / İstatistik The purpose of this course is to explain the basic statistics terms and applications to help students be able to solve more complex problems in the future. Data and statistics, Descriptive statistics I, Descriptive Statistics II, Introduction to probability, Probability density function, Continuous Probability Distributions, Sampling distributions, lnterval estimation, Hypothesis testing, Type I and II Error, One tailed test.	3	0	4	7	EN	C
ISL102	Management and Organization / Yönetim ve Organizasyon This course provides a comprehensive overview of the principles, functions, and processes of management within organizational settings. It examines the evolution of management thought, including classical, behavioral approaches, and emphasizes the roles and responsibilities of managers in today's dynamic business environment. Key topics include planning, organizing, leading, and controlling, along with strategic management, organizational structure and design, decision-making processes, motivation theories, leadership styles, communication, and organizational change and development. By integrating theoretical perspectives with real-world applications, students will develop a foundational understanding of how organizations function and how effective management contributes to organizational success.	3	0	3	5	EN	C
MAN203	Introduction to Algorithms and Programming / Algoritmalar ve Programlamaya Giriş	3	0	4	7	EN	C

	This course introduces students to the fundamental concepts of algorithms and programming using a high-level programming language (e.g., Python). It covers algorithm design, flowcharts, variables, data types, conditional statements, loops, functions, and arrays. Students will learn how to solve problems systematically and translate solutions into working code. Emphasis is placed on algorithmic thinking and structured programming.						
MAN205	Introduction to Database / Veri Tabanına Giriş This course provides an applied introduction to relational databases using SQL Server Management Studio. The focus is on hands-on experience with SQL queries including SELECT statements, filtering using AND, OR, IN operators, table joins, transactions, and indexing. Students develop practical skills for creating, querying, and manipulating data within relational database environments through interactive lab sessions and exercises.	3	0	4	7	EN	C
GNL203	Academic Skill, Method and Ethics / Akademik Beceri, Yöntem ve Etik The aim of this course is to provide to learn how to design and conduct research and report its findings and to identify research ethics. Formulating and clarifying the research topic, Clearly reviewing the literature, Understanding research philosophy and approaches to theory development, Formulating the research design, Negotiating access and research ethics, Selecting samples, Using secondary data, Collecting primary data through observation, Collecting primary data using semi-structured, in-depth and group interviews, Collecting primary data using questionnaires, Analyzing quantitative data, analyzing qualitive data, Writing and presenting your project report.	3	0	3	2	EN	C
	University Elective / Üniversite Seçmeli Ders	3	0	3	2	EN	UE
Toplam / Total				**21**	**30**		

II. Yıl / IV. Yarıyıl / Bahar (Second Year / Fourth Semester / Spring)

Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
ISL201	Marketing Management / Pazarlama Yönetimi Serving as a foundational course in marketing, ISL201 covers the core principles and processes involved in creating customer value. Students learn how to conduct market analysis, identify opportunities, and develop strategies using the 4Ps (product, price, place, promotion). The course discusses consumer decision-making, market segmentation, targeting, and positioning (STP), as well as the significance of building strong customer relationships. Emphasis is placed on strategic planning and implementation, with an overview of marketing research techniques to inform data- driven decisions. By integrating theoretical concepts with practical examples, the course equips future marketers with the skills needed to plan, execute, and evaluate marketing programs in both local and international contexts.	3	0	3	5	EN	C
MUD203	Managerial Accounting / Yönetim Muhasebesi Managerial Accounting as a sub-system of Accounting Information System, Basic Concepts, Accounting For Manufacturing Operations: Classification of Manufacturing Costs, Product Costs versus Period Costs, Product Costs and Matching Principle, Inventories of a Manufacturing Business, Direct Materials, Direct Labor, Manufacturing Overhead, Direct and Indirect Manufacturing Costs,Work in Process Inventory, Finished Goods Inventory, Cost-Volume-Profit Analysis, Cost-Volume-Profit Analysis - Continued, Incremental Analysis, Incremental Analysis - Continued, Operational Budgeting, Capital Budgeting, Measuring and Reporting Performance, Measuring and Reporting Performance, Measuring and reporting performance.	3	0	3	5	EN	C

BIL233	Object Oriented Programming / Nesne Yönelimli Programlama The content of the course is composed of the programming basics that include primitive and reference data types, assignments, arithmetic and logical operators, control statements (if/else, switch/case, loops), methods and objects, UML diagrams, set/get methods and constructors, single and multi dimensional arrays, arraylists and introduction to classes	3	0	3	7	EN	C
MAN202	Information Technology Infrastructures / Bilgi Teknolojileri Altyapıları This course provides a comprehensive overview of the core components that constitute modern information technology infrastructures. Topics include computer hardware, system and application software, network architectures and protocols, database systems, cybersecurity principles, virtualization, and cloud computing models. The course emphasizes how these components interact to support organizational processes and digital transformation. Through hands-on exercises and case discussions, students develop practical understanding of IT systems, infrastructure planning, and emerging technologies in business environments.	3	0	4	5	EN	C
MAN204	Web Based Application Programming / Web Tabanlı Uygulama Programlama This course provides students with a comprehensive introduction to designing and developing modern web-based applications. It focuses on the fundamental concepts of modern internet structure and how the web works. Students will learn web development by focusing on HTML5 and CSS for structuring and styling web content, and JavaScript for adding interactivity and functionality. Also, students will learn the basics of web design, including layout techniques, graphics, forms, and responsive styling. Through a combination of lectures, class exercises, mini-assignments, and projects, students gain hands-on experience in creating effective, user-friendly web applications.	3	0	5	6	EN	C
	University Elective / Üniversite Seçmeli Ders	3	0	3	2	EN	UE
Toplam / Total				**21**	**30**		

III. Yıl / V. Yarıyıl / Güz (Third Year / Fifth Semester / Fall)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
MAN301	Database Systems / Veri Tabanı Sistemleri This course provides an in-depth exploration of various database management systems (DBMS) beyond the relational model, building on prior knowledge from introductory SQL-based courses. Students will study relational, object-oriented, document-based (NoSQL), key-value, and columnar database models. Core topics include database design, normalization, indexing, data access paths, concurrency control, transaction management, security, and backup techniques. Through both theoretical instruction and hands-on projects, students are expected to develop the ability to design, implement, and evaluate diverse database solutions tailored to specific data requirements	3	0	3	5	EN	C
MAN303	Data Mining / Veri Madenciliği This course introduces fundamental data mining techniques used to discover patterns and insights from large datasets. Key topics include data preprocessing, classification, clustering, association rule mining, anomaly detection, and predictive modeling. Emphasis is placed on understanding algorithmic logic and applying data mining tools to real-world data. Students will gain hands-on experience with selected software and programming	3	0	3	5	EN	C

	tools to build data-driven decision models, supporting tasks such as customer segmentation, risk analysis, and trend forecasting.						
MAN305	System Analysis and Design / Sistem Analizi ve Tasarımı It is a core undergraduate course in the Management Information Systems (MIS) curriculum that equips students with the foundational knowledge and practical skills needed to analyze, design, and implement effective information systems. The course focuses on the systematic methodologies used in developing and improving organizational information systems, including requirement analysis, process modeling, data flow diagrams, system architecture, and design strategies. Through real-world case studies and hands-on projects, students learn how to bridge the gap between business needs and technological solutions. Key objectives include understanding the software development life cycle (SDLC), developing skills in problem-solving and critical thinking, and preparing students to work effectively in cross-functional teams. By the end of the course, students are expected to contribute to the planning and design phases of systems development projects within various organizational settings.	3	0	3	4	EN	C
MAN307	MIS Internsip- 1 / MIS Stajı – 1 The Management Internship is a compulsory component of the Management Information Systems undergraduate program designed to provide students with hands-on experience in business environments. Typically completed during the summer term, this internship allows students to observe and participate in core managerial functions such as planning, organizing, decision-making, and coordination within various departments, including marketing, finance, human resources, or operations. The primary objective is to help students understand the practical aspects of organizational structure, managerial roles, and business processes, while also enhancing their communication, teamwork, and problem-solving skills. By integrating academic knowledge with real-world applications, the internship prepares students for future leadership and management responsibilities in diverse sectors.	0	0	0	6	EN	C
	Elective / Seçmeli Ders	3	0	3	5	EN	E
	Elective / Seçmeli Ders	3	0	3	5	EN	E
Toplam / Total				**15**	**30**		
III. Yıl / VI. Yarıyıl / Bahar (Third Year / Sixth Semester / Spring)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
MAN302	Quantitative Analysis for Decision Making / Karar Vermede Sayısal Analiz This course focuses on the use of quantitative techniques to support managerial decision-making. Topics include linear programming, decision analysis under uncertainty, sensitivity analysis, transportation and assignment problems, simulation, forecasting, and multi-criteria decision-making (MCDM) methods such as AHP, TOPSIS, and ELECTRE. Students will learn to formulate complex business problems mathematically and solve them using decision models and software tools. Emphasis is placed on interpreting analytical results for strategic and operational decisions.	3	0	4	5	EN	C
MAN304	ERP Systems / ERP Sistemleri Enterprise Resource Planning (ERP) Systems is an essential course in the undergraduate Management Information Systems program that introduces students to integrated software solutions used to manage and	3	0	3	6	EN	C

	streamline business processes across functional areas such as finance, human resources, supply chain, production, and customer relationship management. The course aims to provide students with a solid understanding of how ERP systems support organizational efficiency, data consistency, and decision-making by offering a unified view of business operations. Key objectives include exploring ERP architecture, implementation strategies, and business process mapping, as well as developing hands-on experience with leading ERP platforms like SAP or Oracle. By the end of the course, students will be equipped to analyze organizational needs, contribute to ERP implementation projects, and evaluate the impact of enterprise systems on business performance and digital transformation efforts.						
MAN306	Cloud Computing Fundamentals / Bulut Bilişimin Temelleri Cloud Computing Fundamentals is an introductory course in the undergraduate Management Information Systems curriculum that provides students with a comprehensive understanding of cloud-based technologies and their role in modern business environments. The course covers essential concepts such as cloud service models (IaaS, PaaS, SaaS), deployment models (public, private, hybrid), virtualization, scalability, and security in the cloud. It aims to equip students with the knowledge and skills needed to evaluate, implement, and manage cloud solutions that support organizational agility and digital transformation. Students gain practical experience through cloud platforms such as Amazon Web Services (AWS), Microsoft Azure, or Google Cloud, enabling them to deploy applications, manage storage, and understand cost structures. By the end of the course, students are expected to understand how cloud computing drives innovation, improves IT efficiency, and transforms business operations in a data-driven world.	3	0	3	6	EN	C
MAN308	Business Application Development / İşletme Uygulaması Geliştirme Business Application Development is a foundational course in the undergraduate Management Information Systems program that focuses on the design and implementation of software applications to address real-world business needs. The course introduces students to programming concepts, development environments, and frameworks commonly used in creating business-oriented applications. Emphasizing both front-end and back-end development, the course covers topics such as user interface design, database integration, and application logic using languages and tools like Java, C#, Python, or web-based technologies. The primary objectives are to enable students to understand the software development lifecycle, write efficient and maintainable code, and build functional applications that support business processes such as inventory management, customer relations, and reporting. Through hands-on projects and case studies, students gain practical experience and problem-solving skills that prepare them for roles in software development, systems analysis, and IT consulting.	3	0	4	5	EN	C
MAN310	MIS Internsip- 2 / MIS Stajı- 2 The MIS Internship is a compulsory professional experience focused specifically on the technical and analytical aspects of the Management Information Systems discipline. Conducted in technology-driven environments such as IT departments, software companies, or systems consulting firms, this internship aims to develop students' competencies in areas like database management, system development, business analytics, software testing, and IT project management. Students are expected to apply tools and techniques learned in coursework—such as programming, system analysis and design, and data modeling—to support information systems solutions within organizations. The primary goal is to bridge the gap between theory and practice, enabling students to gain relevant industry experience, deepen their technical expertise, and prepare for careers as MIS professionals in both public and private sectors.	0	0	0	6	EN	C
	University Elective / Üniversite Seçmeli Ders	3	0	3	2	EN	UE
Toplam / Total				**17**	**30**		

IV. Yıl / VII. Yarıyıl / Güz (Fourth Year / Seventh Semester / Fall)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
MAN401	Information System Project Management / Bilişim Sistemleri Proje Yönetimi Information System Project Management is a key course in the undergraduate Management Information Systems curriculum that focuses on the principles, methodologies, and tools used to effectively manage information systems and technology-related projects. The course introduces students to all phases of the project life cycle, including initiation, planning, execution, monitoring, and closure, with special emphasis on scope, time, cost, quality, and risk management. Students learn how to apply project management frameworks such as PMBOK and Agile, use tools like Gantt charts, Work Breakdown Structures (WBS), and project management software (e.g., MS Project or Jira), and develop leadership and communication skills necessary for managing cross-functional teams. The primary objective is to prepare students to lead or support IT and systems development projects, ensuring they are delivered on time, within budget, and aligned with organizational goals.	3	0	3	7	En	C
MAN403	Business Applications of AI / İşletmelerde Yapay Zeka Uygulamaları Business Applications of Artificial Intelligence (AI) is an advanced undergraduate course in the Management Information Systems program that explores how AI technologies are transforming modern business practices and decision-making processes. The course introduces key AI concepts such as machine learning, natural language processing, computer vision, and intelligent automation, with a focus on their practical applications in areas like customer service, marketing, supply chain optimization, fraud detection, and predictive analytics. Students examine real-world case studies and learn to evaluate AI solutions from both technical and strategic perspectives. Emphasis is placed on the ethical, organizational, and managerial implications of AI adoption, as well as on tools and platforms commonly used in industry. The primary objective is to equip students with the analytical and strategic thinking skills needed to identify AI opportunities, support data-driven innovation, and contribute to AI-driven transformation initiatives in various business contexts.	3	0	3	7	En	C
MAN405	Strategic Management / Stratejik Yönetim Strategic Management is a capstone course in the undergraduate Management Information Systems curriculum that integrates knowledge from various business and technology disciplines to develop a holistic understanding of how organizations achieve long-term success. The course focuses on the formulation, implementation, and evaluation of business strategies in dynamic and competitive environments. Students learn to analyze internal capabilities and external market forces using tools such as SWOT analysis, Porter's Five Forces, and the Balanced Scorecard. Emphasis is placed on aligning information systems and digital capabilities with organizational strategy to create sustainable competitive advantages. Through case studies, simulations, and strategic planning exercises, students enhance their critical thinking, decision-making, and leadership skills. The primary objective is to prepare students to contribute to strategic planning processes and to understand the role of technology in shaping and executing effective business strategies.	3	0	3	6	En	C
GNL450	Career Planning/Kariyer Planlama This course is designed to help students define and pursue their long-term professional aspirations. It begins with self-assessment exercises that allow individuals to identify their strengths, values, and career interests. The curriculum then covers practical topics such as crafting a compelling résumé, writing effective cover letters, acing interviews, and building a personal brand—both online and offline. Students also learn about networking	2	0	2	0	En	C

	tactics, industry research methods, and strategies for continuous professional development. By the end of the course, participants will have developed a personalized career plan and gained the confidence to adapt to changing job market conditions.						
	Elective / Seçmeli Ders	3	0	3	5	En	E
	Elective / Seçmeli Ders	3	0	3	5	En	E
Toplam / Total				**17**	**30**		
IV. Yıl / VIII. Yarıyıl / Bahar (Fourth Year / Eigthth Semester/ Spring)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
MAN402	E-Business Management / E-İş Yönetimi E-Business Management is an essential course in the undergraduate Management Information Systems program that focuses on the strategic, operational, and technological aspects of conducting business in digital environments. The course explores how organizations leverage internet technologies to enhance customer relationships, streamline operations, and create new business models. Key topics include digital marketing, online payment systems, e-commerce platforms, supply chain integration, and cybersecurity in e-business. Students also analyze case studies of successful e-business strategies and examine trends such as mobile commerce, social media, and platform-based ecosystems. The main objective is to equip students with the knowledge and skills needed to design, manage, and evaluate e-business initiatives that drive innovation, competitiveness, and value creation in today's digital economy.	3	0	5	6	En	C
MAN404	Entrepreneurship in Information Technology / Bilişim Teknolojisinde Girişimcilik It is an innovative course within the undergraduate Management Information Systems program that focuses on the intersection of technology and entrepreneurship. It equips students with the mindset, knowledge, and tools needed to identify business opportunities, develop tech-driven solutions, and launch successful startups in the digital economy. The course covers key areas such as idea generation, business model development, market validation, funding strategies, and technology commercialization. Students are encouraged to work on real or simulated startup projects, often creating prototypes or minimum viable products (MVPs), and pitching their ideas to peers or industry experts. Special emphasis is placed on leveraging emerging technologies—such as cloud computing, AI, and mobile applications—for scalable innovation. The primary objective is to foster entrepreneurial thinking and prepare students to become tech-savvy founders, intrapreneurs, or innovation leaders in various sectors.	3	0	5	6	En	C
MAN406	MIS Graduation Project / Yönetim Bilişim Sistemleri Bitirme Projesi MIS Graduation Project is a culminating course in the undergraduate Management Information Systems program that enables students to apply their academic knowledge and technical skills to a real-world problem or innovative concept. Working individually or in teams under faculty supervision, students are expected to identify a business or organizational challenge and develop a comprehensive information systems solution. This may involve designing and building a software application, developing a decision support system, conducting systems analysis, or producing a technology-driven business plan. The course emphasizes critical thinking, project management, research, and effective communication, often requiring a written report, presentation, and system demonstration. The primary objective is to synthesize learning from previous coursework and demonstrate	3	0	5	8	En	C

	professional-level competency in both business and technology domains, preparing students for entry into the workforce or graduate studies.						
	Elective / Seçmeli Ders	3	0	3	5	En	E
	Elective / Seçmeli Ders	3	0	3	5	En	E
Toplam / Total				**21**	**30**		

SEÇMELİ DERSLER / ELECTIVE COURSES

GÜZ DÖNEMİ (Fall Semester)

Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
MAN311	Customer Relationship Management / Müşteri İlişkileri Yönetimi Customer Relationship Management (CRM) is a key course in the undergraduate Management Information Systems program that focuses on the strategies, technologies, and practices used to manage and analyze customer interactions throughout the customer lifecycle. The course explores how organizations leverage CRM systems to improve customer acquisition, retention, satisfaction, and profitability. Topics include customer data management, segmentation, personalized marketing, sales force automation, and customer service optimization. Students gain hands-on experience with leading CRM platforms such as Salesforce or Microsoft Dynamics, learning how to configure, analyze, and utilize CRM tools to support strategic decision-making. The primary objective is to equip students with the knowledge and skills to design and implement CRM solutions that enhance customer value, strengthen business relationships, and contribute to long-term organizational success.	3	0	3	5	EN	E
ISL302	Communication in Management / Yönetimde İletişim This course explores the role and significance of effective communication in business management processes. It provides an in-depth analysis of key communication concepts, types of communication, corporate communication strategies, and the impact of communication on leadership. The course covers verbal and written communication techniques, presentation skills, team communication, and crisis communication, aiming to enhance students' ability to communicate effectively in business settings. Additionally, topics such as corporate communication in the digital age, intercultural communication, and negotiation skills are examined to help managers use communication as a strategic tool. The course is supported by case studies, role-playing exercises, and practical applications, allowing students to develop the necessary skills for successful communication in management processes.	3	0	3	5	EN	E
MAN313	Applied Econometrics / Uygulamalı Ekonometri This course introduces students to the application of econometric techniques to empirical data. Topics include simple and multiple linear regression, hypothesis testing, model specification, multicollinearity, heteroskedasticity, autocorrelation, and time series analysis. Students will use statistical software to analyze real-world economic and business datasets, interpret results, and evaluate model performance.	3	0	3	5	EN	E
ENM433	Quality Assurance Systems / Kalite Yönetim Sistemleri Quality Assurance Systems is a specialized course in the undergraduate Management Information Systems program that focuses on the principles, methodologies, and tools used to ensure the quality and reliability of	3	0	3	5	EN	E

	information systems and business processes. The course covers key topics such as quality management standards (e.g., ISO 9001), total quality management (TQM), process improvement frameworks, software testing techniques, and performance measurement. Students learn how to design and implement quality assurance practices that align with organizational goals, enhance system functionality, and improve user satisfaction. Emphasis is placed on both technical and managerial perspectives, including risk management, continuous improvement, and compliance monitoring. The primary objective is to prepare students to evaluate, monitor, and improve the quality of IT systems and services in various organizational contexts, ensuring efficiency, consistency, and customer-focused outcomes.						
MAN315	Cyber Law / Siber Hukuk This is a critical course in the undergraduate Management Information Systems program that examines the legal frameworks governing the use of digital technologies, data, and online environments. The course explores key topics such as data protection and privacy, intellectual property rights, cybersecurity regulations, electronic contracts, cybercrimes, and the ethical implications of technology use. Students gain insight into national and international legal standards—such as GDPR, digital signature laws, and IT compliance requirements—that affect how businesses collect, store, and manage digital information. Through real-world case studies and legal scenarios, students learn to identify legal risks, ensure regulatory compliance, and support responsible digital governance within organizations. The primary objective is to prepare students to navigate the legal challenges of the digital world and contribute to the development of secure and legally sound information systems.	3	0	3	5	EN	E
ISL421	Modern Management Approaches / Modern Yönetim Yaklaşımları This course examines the systematic and analytical management approaches that modern businesses use in decision-making, efficiency, and performance management. It provides a detailed analysis of various management techniques applied by organizations to gain competitive advantage and enhance their operational processes. Key topics include Six Sigma, Balanced Scorecard, Benchmarking, and Total Quality Management (TQM) as quality and performance management approaches. Additionally, the course explores virtual and network organizations, business restructuring, stress management, and change management, which are critical aspects of today's business environment. By analyzing the application, benefits, and challenges of these modern management techniques, the course aims to help students understand contemporary management strategies and apply them effectively in the business world.	3	0	3	5	EN	E
MAN317	Systems Dynamic Modeling / Sistem Dinamik Modelleme It is an advanced undergraduate course in the Management Information Systems program that introduces students to the concepts and techniques used to understand, simulate, and analyze complex organizational systems over time. The course focuses on building dynamic models that represent feedback loops, time delays, and non-linear relationships within business processes and information systems. Students learn to use modeling tools and software—such as Vensim or Stella—to visualize system behavior, test scenarios, and support decision-making in areas like supply chain management, project planning, and resource allocation. The primary objectives are to develop students' abilities to think systemically, analyze the impact of changes within interconnected components, and apply dynamic modeling to solve real-world business problems. By the end of the course, students will be equipped to leverage systems thinking and modeling techniques to improve organizational performance and strategic planning.	3	0	3	5	EN	E
ISL303	Leadership / Liderlik This course aims to develop individuals who can adapt to rapidly changing economic conditions and demonstrate effective leadership in highly competitive environments. To succeed in today's complex and dynamic markets, leaders must develop creative solutions to emerging challenges and adopt innovative approaches. Factors such as	3	0	3	5	EN	E

	technological advancements, demographic shifts, and increased life expectancy create greater uncertainty for leaders and managers. This course equips students with the leadership competencies needed to navigate these global business challenges. It focuses on strategic thinking, change management, crisis resolution, and adaptive leadership approaches, providing students with the necessary skills to succeed in the global marketplace.						
MAN319	Digital Economy / Dijital Ekonomi This is an essential course in the undergraduate Management Information Systems program that explores the economic, social, and technological transformations driven by digital technologies. The course examines how digital platforms, e-commerce, data analytics, and emerging technologies such as blockchain and artificial intelligence are reshaping traditional business models, markets, and consumer behavior. Students analyze key concepts including digital innovation, network effects, platform ecosystems, and the role of data as a strategic asset. Emphasis is placed on understanding the challenges and opportunities presented by the digital economy, including regulatory issues, cybersecurity, and digital inclusion. The primary objective is to equip students with the knowledge and analytical skills needed to navigate and succeed in increasingly digitalized markets, driving value creation and competitive advantage for organizations.	3	0	3	5	EN	E
MAN321	Knowledge Management / Bilgi Yönetimi This course focuses on the strategies, processes, and technologies organizations use to capture, store, share, and apply knowledge to achieve competitive advantage. The course covers key topics such as knowledge creation and transfer, organizational learning, knowledge repositories, collaboration tools, and the role of culture and leadership in knowledge sharing. Students explore various knowledge management systems (KMS) and frameworks, including tacit and explicit knowledge concepts, and how information technology supports effective knowledge management practices. Through case studies and practical projects, students develop skills to design and implement knowledge management initiatives that enhance innovation, decision-making, and operational efficiency within organizations. The primary objective is to prepare students to leverage organizational knowledge assets to improve performance and foster continuous learning.	3	0	3	5	EN	E
ISL409	Negotiation Methods / Müzakere Yöntemleri This course aims to equip students with the knowledge and skills to effectively apply a range of negotiation methods across various contexts. It covers key negotiation strategies, techniques, and tactics, with a focus on both distributive bargaining (win-lose scenarios) and integrative bargaining (win-win solutions). Students will learn to identify and use core negotiation concepts such as BATNA (Best Alternative to a Negotiated Agreement), target point, and reservation point, enhancing their ability to plan strategically and reach favorable agreements. The course also delves into the psychology of negotiation, conflict management, and resolution processes. Through case studies, simulations, and practical exercises, students will develop their analytical thinking, communication, and persuasion skills to successfully navigate complex negotiation situations and achieve mutually beneficial outcomes.	3	0	3	5	EN	E
ISL413	Information Based Management Practices / Bilişim Tabanlı Yönetim Uygulamaları This course examines how organizations utilize information and data to support managerial decision-making and enhance business performance. The course covers the principles and techniques of collecting, analyzing, and interpreting data to inform strategic planning, operational control, and performance measurement. Topics include business intelligence, data-driven decision-making, performance dashboards, and the use of analytical tools to optimize processes and resource allocation. Students learn how effective information management can improve transparency, agility, and competitiveness in organizations. Through case studies and practical exercises, the	3	0	3	5	EN	E

	course aims to develop students' abilities to implement information-based management strategies that align with organizational goals and foster continuous improvement.						
GNL114	Civilization and Society / Medeniyet ve Toplum The History of Civilization course explores key transformative processes in human history. It covers the cognitive revolution and early civilizations, agricultural revolutions, unifications of humanity, scientific revolutions, and the condition of civilization, society, and human beings in the age of globalization.	3	0	3	2	EN	UE
LNG121	Second Foreign Language: German 1/Ek Yabancı Dil: Almanca 1	3	0	3	2		UE
LNG131	Second Foreign Language: French 1/Ek Yabancı Dil: Fransızca 1	3	0	3	2		UE
LNG141	Second Foreign Language: Spanish 1/Ek Yabancı Dil: İspanyolca 1	3	0	3	2		UE
LNG151	Second Foreign Language: Russian 1/Ek Yabancı Dil: Rusça 1	3	0	3	2		UE
LNG171	Second Foreign Language: Japanese 1/Ek Yabancı Dil: Japonca 1	3	0	3	2		UE
LNG181	Second Foreign Language: Chinese 1/Ek Yabancı Dil: Çince 1	3	0	3	2		UE
LNG191	Second Foreign Language: Italian 1/Ek Yabancı Dil: İtalyanca 1	3	0	3	2		UE
LNG197	Second Foreign Language: Farsi 1/Ek Yabancı Dil: Farsça 1	3	0	3	2		UE
LNG199	Second Foreign Language: Arabic 1/Ek Yabancı Dil: Arapça 1	3	0	3	2		UE
LNG201	Second Foreign Language: Bosnian, Croatian, Serbian 1/Ek Yabancı Dil: Boşnakça, Hırvatça, Sırpça 1	3	0	3	2		UE
GNL327	Participation Banking and Islamic Economy / Katılım Bankacılığı ve İslam Ekonomisi Participation (Islamic) Banks, Takaful Companies, Sukuk as a capital Market instrument, Islamic Social Finance, Sustainability and ESG in Islamic Finance.	3	0	3	2	EN	UE
GNL112	City, Culture and Istanbul / Şehir, Kültür ve İstanbul Examining Istanbul from a historical, cultural and social perspective.	3	0	3	2	EN	UE
GNL350	State, Society and Economics in Turkiye / Türkiye'de Devlet, Toplum ve Ekonomi This course aims to encourage the students to having analytical pattern on political science, economics and international relations. Students are expected to interiorise the theoretical roots of current political, economic, social and institutional mechanisms of Türkiye.	3	0	3	2	EN	UE
GNL326	New Generation Entrepreneurship / Yeni Nesil Girişimcilik This course focuses on the evolving landscape of entrepreneurship driven by digital technologies, globalization, and shifting market dynamics. The course explores how modern entrepreneurs leverage emerging tools such as social media, e-commerce platforms, artificial intelligence, and fintech to create scalable and sustainable ventures. Key topics include lean startup methodologies, design thinking, digital marketing strategies, funding alternatives like crowdfunding and venture capital, and the role of innovation ecosystems and incubators. Students engage in hands-on projects that encourage creativity, resilience, and strategic thinking necessary for launching and growing tech-enabled businesses in today's fast-paced environment. The primary objective is to equip students with entrepreneurial skills and digital fluency to succeed as founders, innovators, or intrapreneurs in the new economy.	3	0	3	2	EN	UE
GNL366	Design and Psychology / Tasarım ve Psikoloji	3	0	3	2	EN	UE

BAHAR DÖNEMİ (Spring Semester)							
BAHAR DÖNEMİ (Spring Semester)							
Ders Kodu	**Ders İsmi (İngilizce / Türkçe)**	**Saatler / Hours**		**Kredi**	**AKTS**	**Dil**	**Tür**
Course Code	**Course Name (English / Turkish)**	**T**	**U**	**Credit**	**ECTS**	**Language**	**Type**
MAN314	Special Topics in MIS / Yönetim Bilişim Sistemlerinde Özel Konular Special Topics in MIS is a dynamic and elective course in the undergraduate Management Information Systems program designed to explore emerging trends, innovative technologies, and contemporary issues within the field of information systems. The content of the course varies each term to reflect the latest developments such as artificial intelligence applications, blockchain technology, cybersecurity advancements, data privacy regulations, or digital transformation strategies. This flexibility allows students to engage with cutting-edge topics that are shaping the future of business and technology. The course combines theoretical frameworks with practical case studies, guest lectures, and hands-on projects to provide a comprehensive understanding of the selected topics. The primary objective is to enhance students' adaptability, critical thinking, and expertise in rapidly evolving areas of MIS, preparing them to respond effectively to new challenges and opportunities in the digital age.	3	0	3	5	EN	E
GNL428	Business Ethics / İş Ahlakı Ethics and Fundamental Concepts / Corporate Social Responsibility and Ethics / Ethics in Management and Strategic Management / Corporate Culture and Ethics / Negotiation Ethics / Marketing Ethics / Financial and Accounting Ethics / Human Resources Ethics / Case Studies on Ethical Codes	3	0	3	5	EN	E
ISL422	Corporate Governance / Kurumsal Yönetim This course explores the systems, principles, and processes by which organizations are directed and controlled. The course examines the roles and responsibilities of boards of directors, executive management, shareholders, and other stakeholders in ensuring accountability, transparency, and ethical decision-making within corporations. Topics include governance frameworks, regulatory compliance, risk management, corporate social responsibility, and the impact of governance on organizational performance and sustainability. Special attention is given to the influence of information systems on governance practices, including how technology supports compliance, reporting, and stakeholder communication. The primary objective is to prepare students to understand and contribute to effective governance structures that promote trust, integrity, and long-term value creation in business environments.	3	0	3	5	EN	E
MAN312	Decision Support Systems for Business / İşletmelerde Karar Destek Sistemleri This course explores the design and use of decision support systems (DSS) that assist business managers in complex decision-making environments. Topics include DSS architecture, data-driven and model-driven systems, knowledge-based systems, user interface design, and integration with databases. Students will work on case-based projects to build and evaluate prototype DSS applications using relevant tools.	3	0	3	5	EN	E
ISL446	Finance and Fintech / Finans ve Fintek This course aims to provide students with insights into the impact of technological advancements and global trends on financial institutions, organizational structures, and workforce requirements. It explores the effects of Artificial Intelligence (AI), Blockchain, Internet of Things (IoT), Robo-advisory, and changing customer expectations on financial services and employment. The course also examines financial markets and institutions, emerging trends, evolving interview techniques, and case studies related to the financial sector. Additionally,	3	0	3	5	EN	E

	students will analyze how new technologies influence the structure and talent needs of insurance companies, investment firms, pension funds, and banks. Key topics include comprehensive financial planning and advisory services, FinTech-driven entrepreneurship and startups, evolving job roles in finance, and the changing skill sets required in the industry. The course is designed in collaboration with financial sector professionals, enabling students to engage with industry experts, understand sector-specific expectations, and gain a deeper perspective on the future of finance and employment in the digital era.						
MAN316	Big Data and Business Analytics / Büyük Veri ve İşletme Analitiği This course focuses on the concepts, tools, and techniques used in big data analytics to extract valuable insights for business decision-making. Topics include big data infrastructure (Hadoop, Spark), data wrangling, real-time analytics, data visualization, and predictive analytics using machine learning algorithms. Students will work on practical projects using large-scale datasets and industry-relevant tools.	3	0	3	5	EN	E
ISL454	Coding and Game Software in the New Generation Marketing / Yeni Nesil Pazarlamada Kodlama ve Oyun Yazılımı This course explores the intersection of programming, game development, and modern marketing strategies. The course introduces students to coding principles and game software tools used to create engaging digital marketing campaigns, gamified customer experiences, and interactive brand promotions. Key topics include the use of game mechanics, virtual and augmented reality, mobile applications, and social media integration to enhance customer engagement and loyalty. Students gain hands-on experience in designing and developing marketing-oriented games and applications that drive user participation and data collection. The primary objective is to equip students with technical and creative skills to leverage coding and game-based software as powerful tools in the evolving landscape of digital marketing.	3	0	3	5	EN	E
MAN318	Ethical Issues in Information Systems / Bilişim Sistemlerinde Etik Konular **E**thical Issues in Information Systems is a critical course in the undergraduate Management Information Systems program that examines the moral, legal, and social challenges arising from the development, deployment, and use of information technologies. The course explores topics such as data privacy, intellectual property rights, digital surveillance, cybersecurity ethics, and the societal impact of emerging technologies like artificial intelligence and big data. Students analyze real-world scenarios and ethical dilemmas to develop a framework for responsible decision-making and professional conduct in the IT field. Emphasis is placed on understanding regulatory requirements, corporate social responsibility, and the role of ethics in shaping technology policies and practices. The primary objective is to prepare students to navigate complex ethical issues and contribute to the creation of trustworthy, fair, and sustainable information systems.	3	0	3	5	EN	E
MAN320	Supply Chain Management and Logistics / Tedarik Zinciri Yönetimi ve Lojistik This course examines the planning, coordination, and optimization of supply chain operations and logistics activities. Key topics include supply chain network design, inventory management, transportation, warehousing, demand forecasting, supplier relationship management, and sustainability in logistics. Students will analyze real-life supply chain cases and learn how to design efficient, resilient, and agile supply networks.	3	0	3	5	EN	E
GNL404	Social Science and Literature / Sosyal Bilim ve Edebiyat This course examines the relationship between social sciences and literature from an interdisciplinary perspective. It explores how literary works engage with social structures, culture, identity, class, social change, modernization, and human behavior. Through selected texts from different periods and genres, students analyze how literature reflects, interprets, and sometimes reshapes social reality. The course aims to develop students' critical reading, interpretation, and interdisciplinary thinking skills.	3	0	3	5	EN	E
BAF303	Financial Management / Finans Yönetimi	3	0	3	5	EN	E

	Concept of Financial Management, Objectives, Basic Principles, Scope and lmportance, Structure of Financial Management in Enterprises, Authority and Responsibilities, Financial Analysis, Financial Planning, Financial Decision Processes, Financial Risk Managernent and Risk Types, Financial Control and Audit, Capital Structure, Working Capıtal Management and CapitaJ Budgeting, Financial Resources, Bank Loans and Money Market Products, Altemative Financing Methods, Capital Market Products, Securitization, Credit Rating Agencies, Effects of Globalization on Financial Manageınent, Scope and Fundamentals of Corporate Finance, Derivatives Markets and Products, Valuation Methods, Merger and Acquisition Processes, Exporl Financing Methods and Products, Portfolio Management Principles						
GNL354	Fundamental Concepts and Structures of Economics / İktisatta Temel Kavramlar ve Yapılar This course explains the fundamental concepts and functioning of economics. In microeconomics, topics such as supply-demand equilibrium, market types, and consumer-producer behavior are covered. Macroeconomics explores national income, inflation, unemployment, and monetary policies. The course includes discussions on international trade and the key dynamics of the global economy.	3	0	3	2	EN	UE
GNL364	Fundamental Concepts in Artificial Intelligence Applications / Yapay Zeka Uygulamalarında Temel Kavramlar This course introduces the fundamental principles of artificial intelligence and its applications. It covers key topics such as machine learning, deep learning, natural language processing, and computer vision. Ethical issues in AI, including bias, privacy, and accountability, are also discussed. Students will explore real-world applications in industries like finance, healthcare, marketing, and logistics.	3	0	3	2	EN	UE
GNL351	Politics in Turkiye / Türkiye'de Siyaset In the course, basic concepts such as politics, state, social classes, power, and sovereignty are explained within the framework of political sciences. Turkish politics is covered in all its aspects from the first states of the Turks to the Ottoman Empire and from the foundation of the Republic of Turkey to the present day. Topics such as women, youth, minorities, urbanization, fine arts, and media in Turkish politics are also examined with special focus.	3	0	3	2	EN	UE
GNL373	Basic Communication / Temel İletişim	3	0	3	2	EN	UE
GNL358	Basic Issues and Perspectives in Psychology / Psikolojide Temel Kavramlar ve Yaklaşımlar The course comprehensively covers the basic concepts, historical development, important names and approaches of psychology. Theoretical frameworks such as structuralism, functionalism, behaviorism, psychoanalytic approach, cognitive psychology and humanistic psychology are emphasized, and the contributions of these approaches to the 3 0 3 2 En UE understanding of the individual and society are examined. In addition, how psychology works as a discipline based on scientific methods is discussed, along with research methods and ethical principles. The course aims to provide students with knowledge and awareness of the different subfields of psychology (such as clinical, developmental, social, industrial and sports psychology) and their applications in daily life.	3	0	3	2	EN	UE
GNL316	History and Philosophy of Science / Bilim Tarihi ve Felsefesi Introduction to the Concepts of Culture, Technology, Science, and Philosophy; Science, Religion, and Society in Mesopotamia; Science and Philosophy in Ancient Greece; Medieval Europe and Scholastic Philosophy and Science; Science and Philosophy in the Islamic Cultural Geography: Ibn Khaldun; Science and Philosophy in Renaissance Europe; Society and Philosophy of Science in the Age of Enlightenment and Positivism; Karl R. Popper: the Logic of Scientific Discovery; Imre Lakatos: Methodology of Scientific Research Programs; Karl R. Popper: Against Method; Thomas S. Kuhn: The Structure of Scientific Revolutions; Willard V. O. Quine: Two Dogmas of Empiricism.	3	0	3	2	EN	UE

GNL364	Energy, Water, Environment and Society / Enerji, Su, Çevre ve Toplum The Concept of Energy and Basic Energy Units, Types of Energy and Energy Transformations, Global Energy Resources, Non-Renewable Energy Sources, Renewable Energy Sources, the Importance of Energy Resources in Development, the Role of Energy Resources in Sustainable Development, Global Impacts of Energy Resources, Global Warming, Sustainable Environment and Life.	3	0	3	0	EN	UE
LNG122	Second Foreign Language: German 2/Ek Yabancı Dil: Almanca 2	3	0	3	2		UE
LNG132	Second Foreign Language: French 2/Ek Yabancı Dil: Fransızca 2	3	0	3	2		UE
LNG142	Second Foreign Language: Spanish 2/Ek Yabancı Dil: İspanyolca 2	3	0	3	2		UE
LNG152	Second Foreign Language: Russian 2/Ek Yabancı Dil: Rusça 2	3	0	3	2		UE
LNG172	Second Foreign Language: Japanese 2/Ek Yabancı Dil: Japonca 2	3	0	3	2		UE
LNG182	Second Foreign Language: Chinese 2/Ek Yabancı Dil: Çince 2	3	0	3	2		UE
LNG192	Second Foreign Language: Italian 2/Ek Yabancı Dil: İtalyanca 2	3	0	3	2		UE
LNG198	Second Foreign Language: Farsi 2/Ek Yabancı Dil: Farsça 2	3	0	3	2		UE
LNG200	Second Foreign Language: Arabic 2/Ek Yabancı Dil: Arapça 2	3	0	3	2		UE
LNG202	Second Foreign Language: Bosnian, Croatian, Serbian 2/Ek Yabancı Dil: Boşnakça, Hırvatça, Sırpça 2	3	0	3	2		UE

Kısaltmalar / Abbreviations:
EN: İngilizce / English
TR: Türkçe / Turkish
Z / C: Zorunlu Ders / Compulsory Course
S / E: Seçmeli Ders / Elective Course
ÜS / UE: Üniversite Seçmeli Ders / University Elective Course