		Usak Univer	sity English Course Catalogue					
Faculty	Department	Course Name	Content	ECTS	Theory	Practice	Total Credit	Code
Faculty of Architecture	Urban and Regional Planning	Urban Sociology	Includes dualistic models of urban life, settlement dynamics, survival strategies of urban households, and responses to global restructuring. Special emphasis on Turkish urbanization.	5	3	0	3	EXC1001012019
Faculty of Arts	Ceramics	Glasses, Glazes and Glass- Ceramics	Structure of glasses, Definition of glass and glassy, Structure of glasses and glazes, crystallization and stability of glasses in relation to structure Glazes and glasses formation Glazes and glasses components Glazes and glasses components Physical and mechanical properties of glasses and glaze Type of the glazes and glasses Chemical durability of glasses Raw materials for glassmaking and glaze Glaze and glass preparation methods Application of glaze	5	2	1	3	EXC0703012019
		Ceramic Technology	This course includes ceramics description and history, development of ceramics, classification of ceramics, technological developments, body and glaze raw materials, ceramic glazes, oxides and their properties, Seger and	5	2	1	3	EXC0703022019
		Accounting II	Functions of Financial Management, Time Value of Money, Financial Analysis and Techniques, Ratio Analysis, Comparative Analysis Technique- Percentage Analysis, Financial Planning and Control, Regression Model, Profit Planning and Breakeven Analysis, Operating Leverage, Financial Leverage Degree and Combined	4	3	0	3	EXC1503012019
	Accounting Information Systems	Accounting I	Functions of Financial Management, Time Value of Money, Financial Analysis and Techniques, Ratio Analysis, Comparative Analysis Technique- Percentage Analysis, Financial Planning and Control, Regression Model, Profit Planning and Breakeven Analysis, Operating Leverage, Financial Leverage Degree and Combined Leverage, Fund Flow Table and		3	0	3	EXC1503022019
		Accounting Standars II	Central bank, Financial markets. Financial Institutions and	4	3	1	4	EXC1503032019
		Accounting Standars I	Basic and supplementary additional financial statements, analysis and interpretation means.	4	3	1	4	EXC1503042019
		Managerial Accounting	To give information about accounting, finance and cost information systems in companies.	3/3	3	0	3	EXC1503052020

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aculty of

	Cost Accounting	Cost management, which is the significant part of the corporate governance and financial reporting process, will be discussed as a theoretical view. While the importance of cost, expense and consumption concepts are discussed, the distribution of the expenses among the company departments will be made in order to determine	5/3	3	0	3	EXC1503062020
	Financial Management-I	This course teaches you how to do empirical work by using examples from different fields of the economy. Also different types of economic data focuses on how to obtain them and how to use it also, regression analysis, simple and general the method of least squares classical regression model, hypothesis testing,	5	3	0	3	EXC1501012019
	Financial Management-II	This course is offered as the second part of econometrics course. This course teaches hypothesis testing, model building problems, autocorrelation, multicollinearity,	6	3	0	3	EXC1501022019
	Capital Markets and Financial Institutions	Type of strategies, Game definition, Classification and formulation of games, Zero sums games, Positive sum games, Cournot model, Bertrand model, Choice competition, Mixed Strategies, Crime confession, Stackelberg model, Schemes and International Competition, Coalition games, Ownership and welfare distribution, Exchange of different houses, Covert agreement in the Cournot model, Effective fee and time consistent monetary policy, Cournot model under asymmetric information,	5	3	0	3	EXC1501032019
Banking and Finance	Financial Statement Analysis	Management: Basic concepts, importance for enterprises. Comparison of management concept with similar concepts. Development of Management Science: Classical, behavioral, Modern management approaches and comparison. Management system: Characteristics, importance for businesses. Planning and Decision Making: Planning process, types of plan. Organization concept: Characteristics, Principles, Organization process. Organization concept: Comparison with the planning process. Authority and power concepts. Authority migration. Audit process and features. Current management techniques and applications . Current management	5	3	0	3	EXC1501042019

		Econometrics-I	Issues such as motivation, behavior, decision processes, comunication, small group behavior, cooperation and conflict are discussed in this course. Students will be encouraged to explore organisational identity as a main variable to explain	6	3	0	3	EXC1501052019
		Econometrics-II	Equations, Ratio and proportion, Percent account, Simple interest, Compund	6	3	0	3	EXC1501062019
		Service Marketing	Functions, limit, continuity, Derivation and its rules, applications of derivation, exponantial and logaritmic functions, definit and indefinit integrals and its applications, linear equation systems, supply and demandt functions and linear model for balance,	4	3	0	3	EXC1501072019
Inte	ernational Logistics	Game Theory	Deposit issues, accrual issues, depreciation issues, short and long term liabilities, shareholder accounts, profit and loss accounts and the cost accounts are considering in this course. There are many practises are done to facilitiate to learn subjects. Also some special issues such as deprication is considered solely. At the end, all issues about trial balance, profit and loss statement and also	5	3	0	3	EXC1505012019
an	nd Transportation	Management and Organization	The course, the basic equivalence of accounting (assets = source equivalent), accounting and accounting process, accept the General Accepted Accounting Principles, the Uniform Chart of Accounts systematic, cash flows, stock movements, movements of commercial goods,VAT transactions and commercial debit / credit	5	3	0	3	EXC1505022019
		Organizational Behavior	Accounting and financial	4	3	0	3	EXC1505032019
		Business Mathematics I	reporting standards in Turkey Accounting and financial	4	3	0	3	EXC1507012019
		Business Mathematics II	reporting standards in Turkey To apply marketing mix intruments to their professional life.	4	3	0	3	EXC1507022019
les	nternational Trade	Consumer Behavior	An overview of basic marketing topics; perception; learning and memory; motivation and involvement; attitudes (attitude formation and change); self-concept and personality; values; life styles and culture; reference groups, family and gender; decision-making process in buying; marketing communications an	4	3	0	3	EXC1507032019
	itemational fraue		Basic concepts and					
		Marketing Research	approaches, Scientific Method and Research Universe and Sampling, Data collecting, Observation Historical Method, Processing, analysis and interpretation of	4	3	0	3	EXC1507042019
Of	ffice Management and Executive Assistance	Economy I	Basic Concepts Related To Marketing, Consumer Behavior, Marketing Environment, Marketing information System And Marketing Research, Marketing And Marketing	4	2	0	2	EXC1855012019

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l ğ		Principles of Marketing	Basic Concepts Related To	3	3	0	3	EXC1858012019
Karahallı Voc	Logistics		Marketing, Consumer Behavior, Marketing Environment, Marketing Information System And Marketing Research, Marketing And Marketing					
		Human Computer Interaction	The class structure is a mix of classroom design activities, lectures, and design critiques of student work by peers and instructor.	5	3	0	3	EXC0403012019
		Community Service Practices	Importance of service applications to society, determine the current problems of society and prepare projects towards to produce solutions. Participate to panel, conference, congress, symposium as a spectator, speaker. Join to projects which needs social responsibility as a volunteer, give some basic knowledge and skills about service studies	5	1	2	2	EXC0403022019
	Computer Education and Instructional Technologies	Material Development and Teaching Technology	Instruction analysis, sorting the aims, analysis of aims, analysis of aims, analysis of learner, planning content, planning practices and feedback, planning evaluation, two dimensions visual learning and teaching devices, classic educational technology, modern educational technology, procedure of choosing instructional material, principles of designing and developing materials, designing items, methods of developing material, developing material, developing materials related to field, developing visual, auditory and visual-auditory	5	2	2	3	EXC0403032019
		Measurement and Evaluation	Fundamental concepts of measurement and evaluation; scale and types of scales. Status of evaluation in education system, purposes of evaluation, types of evaluation, essential characteristics of measurement instruments; error and error types, reliability, and reliability calculation methods; types and calculations of validity, traditional measurement instruments, complementary measurement and evaluation approaches, measurement of cognitive, affective and psychomotor skills and its difficulties.	4	3	0	3	EXC0403042019
		Community Service Practices	Importance of service applications to society, determine the current problems of society and prepare projects towards to produce solutions. Participate to panel, conference, congress, symposium as a spectator, speaker. Join to projects which needs social responsibility as a volunteer, give some basic knowledge and skills about service studies	5	1	2	2	EXC0403052019

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	Assessment and Evaluation	Basic concepts related to measurement.Types of scales. Errors in	5	3	0	3	EXC0408032019
		measurement. Reliability of					
		scales. Validity of scales.					
		Standard error. Types of tests.					
		Item analysis and test					
		statistics. Scoring. Evaluation					
		Electric area, Gauss law,					
		electric potential, capacity and					
		di- electricity, current and					
		resistance, magnetic areas, the					
	Physics	sources of magnetic areas,	5	4	0	4	EXC0408042019
		Faraday laws, inductor,					
		alternative current circuits,					
		electromagnetic waves, semiconductors, transistors,					
		amplifier circuits assillators					
	Teacher Education in	Teacher Education on Society,	5	3	0	3	EXC0408052019
	Turkey since 1923	evaluate the consistency of					
		national needs with					
		appointment of teachers					
		based on educational policies, analyze the teaching fields and					
Educational Sciences		annointments					
	Cognitive-Behavioral	Developing the therapeutic	5	3	0	3	EXC0408012019
	Pscyhotherapies	relationship, planning					
		treatment and					
		structuring sessions, the					
		cognitive model, beliefs,					
		automatic thoughts, problems and solutions, goals and					
		activation assessments					
	Crisis Intervention	The definition of psychological	5	3	0	3	EXC0408022019
		crisis, the crisis of the process					
		stages, adults' and children's					
		crisis response differences in					
		developmental perspective, crisis intervention techniques,					
		and case examples,					
		interventions to stop suicide					
		attemnts					
		Definition, nature and					
		structure of mathematics; sets					
		and set operations (intersection, union, difference					
		etc); arithmetic operations in					
		natural numbers (addition,					
		subtraction, division and					
		multiplication); various	_	l .	۱ .	.	EV0044E345345
	Basic Mathematics	counting systems (base	5	4	0	4	EXC0417012019
		arithmetic), the structure and					
		characteristics of the integers					
		(divisibility etc.); the concept					
		of fractions and rational					
		number; arithmetic operations in rational numbers; the					
		concept of real number; the					
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Calculus I	Numbers, numerical systems and their properties, induction principle, range and absolute value, relation, paired relations, Cartesian product, Definition of relation, Inverse Relation, equivalence relation, Order relation, Functions: Definition and properties of function, Types of functions, Inverse function, Compound function, Trigonometric functions, Exponential functions, Logarithmic functions, Inverse trigonometric functions, Special functions, Limit of a variable, Limit of trigonometric functions, Continuity: Definition of continuity, Limit from the left and Limit from the right, Properties of continuity, Derivative: Definition of	5	4	2	5	EXC0417022019
Calculus II	Applications of derivative; maxima and minimal definite problems, indeterminate exponential function, graphics, differential equation, differential equation. Indefinite integral: definition of indefinite integral; integral which is detachable to its basic form, integration by parts, calculation integral by proper fraction, integration of trigonometric function, integration of trigonometric function, integration of irrational functions. Definite integral; properties of definite integral, area and volume calculation,	5	4	2	5	EXC0417072019
Diferential Equation	The concept of differential equation, the classification of the differential equations, Initial value problems, general solutions, Separable differential equations, homogeneous equations, the equations that can be turned into the homogeneous state, total differential equations, the equations that can be turned into the integration multipliers and the total differential equations, primary linear differential equations, Bernoulli and Riccati-type differential equations. Primary high-level equations, secondary level equations of the secondary level differential equations. High-level differential equations. High-level differential equations.	4	4	0	4	EXC0417032019
Lineer Algebra	Vectors in R^2 and R^3, matrixes; addition and scaler multiplication in matrix space, linear freedom in matrix space, a short introduction to the concept of vector space. Linear equation systems, Gauss elimination, subspaces. Linear freedom and dimension. Linear transformations, the relationship between the linear transformations and the matrixes, matrix	3	3	0	3	EXC0417042019

Mathematics Education	Introductory Mathematics	functions and logarithmic functions; induction; symbols of summation and product; concept of progression and series and applications; complex numbers, the polar	6	4	2	5	EXC0417052019
	Mathematics for Life	The applications of the equations and the inequalities in the daily life (physics, chemistry, biology, economy, health, sports, statistics, meteorology); some examples to the linear relations in our physical world and some solutions of the related problems; the applications of polynomials functions in the daily life; the applications of trigonometric and exponential functions in the daily life; the applications	5	3	0	3	EXC0417062019
	Nature of Science and Scientific Inquiry	Scientific Inquiry- Research Question, Nature of Science-	5	3	0	3	EXC0416012019
		Tentativeness, Nature of Science-Experiment versus					
	Astronomy	Definition of astronomy, historical development and change of astronomy data in history. In addition, our contribution to our lives in the process. Handling of changes in the solar system.	5	2	0	2	EXC0416022019
	Science Teaching	Science teaching, basic objectives of science teaching, science literacy, concept teaching (misconceptions, concept maps, conceptual cartoons, V diagrams, etc.), methods and materials used in science teaching, Science and Technology Curriculum examination (themes, achievements, learning situations, assessment techniques, etc.). Examination of the course, teacher	5	2	2	3	EXC0416032019
	Decision Making Competencies in the 21st Century	The purpose of this course is to provide insights about the nature of decision making in	5	3	0	3	EXC0416042019
Science Education	Measurement and Assessment in Science Education	controversial issues. This course covers the fundamentals of assessment approaches and measurement tools for the effective science instruction so that science teacher candidates develop the knowledge and skills about measurement and assessment with an emphasis on constructs and how to measure them. Teacher candidates will learn and practice the formative assessment approach and	5	3	0	3	EXC0416052019

	Nature Of Science and Teaching	This course is designed to assist science teacher candidates to develop the knowledge and skills about nature of science and scientific Inquiry, including how to teach NOS and SI-embedded science in elementary and middle school classrooms. This involves sound understanding of the content knowledge, basic facts, principles and processes underlying the nature of science and scientific inquiry along with its historical	5	3	0	3	EXC0416062019
	Interdisciplinary Teaching and Learning in Classroom	This courses is designed for active participation of undergraduate students. Each week, students will actively participate and discuss the pre-determined articles about integration, interdisciplinary teaching and learning, develop a lesson plan focusing on interdisciplinary teaching and microteaching sessions will be	5	3	0	3	EXC0416072019
	Human Rights and Democracy	Basic and fundamental concepts of human rights and democracy, historical developments of human rights and democracy, the limitations, problems and challenges faced by democracy and human rights in today's world, the skills and expertise	5	2	0	2	EXC0410012019
Social Studies Education	Scientific Research Methods	introduction to the theory and practice of research methods in the social sciences. It will take up the purposes, principles and applications of both quantitative and qualitative methods in a very basic level. It will cover basic concepts of the social research, phases of a research processes, sampling methods, questionnaires, different types of interviews, systematic and participant observation, and documentary methods. The processes and procedures of a research project, collection and analysis of different sorts	5	2	0	2	EXC0410022019
Elementary Education	Teaching Principles and Methods	Students will first learn teaching principles and then	5	3	0	3	EXC0413012019
	Media Literacy	practice and To raise conscious individuals who can read media in a correct way; the ones who avoid the negative effects and benefit from the positive effects of	5	3	0	3	EXC0413022019
	New Methods in Qualitative Research	Learning and using the new qualitative research methods in the literature.	5	3	0	3	EXC0413032019

Department of Foregacrops Lagume Forage Crops Importance of Freed Crops Import									
Legume Forage Crops Legume Forage Crops Importance of foragecrops S Legume Forage Crops Importance of foragecrops S Legume Forage Crops Importance of foragecrops S Legume Forage Crops Importance of foragecrops for a foragecrops in terms of usage and cultivation, species recognition and dassification of foragecrops cultivated Importance of foragecrops cultivated Importance of foragecrops cultivated Importance of foragecrops cultivated Importance Importance of foragecrops Importance		· ·		Egg Industries in World and Turkey. Modern Breeds of Chicken. Biology of Chicken. Behavior of Chicken. Formation of Egg and Egg Quality. Poultry Meat and Quality. Poultry Manure and Waste Management. Development of the embryo and incubation. Poultry Housings, conditions of poultry housing and equipments. Broiler productions. Poultry Processing. Layer production. Poultry Genetic end Breeding. Poultry Health and disease. Turkey production. The introduction					
### Spricultural features and foragecrops cultivation practices, usage areas of foragraclament will be Meteorological and Agricultural Meteorology definition and importance. Atmosphere Composition and Structure, elimitatic factors and the effects of agriculture, agricultural meteorological phenomena, Air Massess, Meteorological continuous and advance de	iculture		Organic Animai Breeding	production, anydrug, hormone, etc. without the use of chemicals.		2	-	2	EXCU805022019
Department of Field Crops	Faculty of Agr		Legume Forage Crops	beneficial of foragecrops for agriculture, classification of foragecrops in terms of usage and cultivation, species recognition and classification, agricultural features and foragecrops cultivation practices, usage areas of	5	1	2	2	EXC0803012019
warm climate cereals, adaptation, morphology, physiology, one of the hot climate of grainstorage and standardization; corn, rice, millet and canary grass rultivation tachaniques of plant. Journalism Social Psychology Students will be prepared for the communication sciences and public relations.			Meteorology	Meteorological and Agricultural Meteorology definition and importance. Atmosphere Composition and Structure, climatic factors and the effects of agriculture, agricultural meteorological phenomena,	5	2	0	2	EXC0803022019
Journalism Social Psychology Students will be prepared for the communication sciences and public relations. Communication Theories I This course includes every theoritical approaches to communication studies which consist of two main parts. Interpersonal communication is the process by which people exchange information, feelings, and meaning through verbal and non-verbal messages: it is face-to-face communication. Interpersonal Communication Interpersonal communication			Warm Climate Cereals	warm climate cereals, adaptation, morphology, physiology, one of the hot climate of grainstorage and standardization; corn, rice, millet and canary grass	5	2	2	3	EXC0803032019
Communication Theories I This course includes every theoritical approaches to communication studies which consist of two main parts. Interpersonal communication is the process by which people exchange information, feelings, and meaning through verbal and non-verbal messages: it is face-to-face communication. Public Relations and Advertising Public Relations and Advertising Interpersonal Communication is not just about what is actually said - the language used - but how it is said and the non-verbal messages sent through tone of voice, facial Introduction to The basic concepts of 5 3 0 3 EXC0601022019		Journalism	Social Psychology	Students will be prepared for the communication sciences	5	3	0	3	EXC0605012019
Public Relations and Advertising Interpersonal communication is the process by which people exchange information, feelings, and meaning through verbal and non-verbal messages: it is face-to-face communication.			Communication Theories I	This course includes every theoritical approaches to communication studies which	5	3	0	3	EXC0605022019
Introduction to Communication to Communication, types of communication, basic communication models. Film Criticism and Analysis Viewing of diffirent film genres and analysing them.			· ·	Interpersonal communication is the process by which people exchange information, feelings, and meaning through verbal and non-verbal messages: it is face-to-face communication. Interpersonal communication is not just about what is actually said - the language used - but how it is said and the non-verbal messages sent	5	3	0	3	EXC0601012019
Film Criticism and Analysis Viewing of diffirent film genres 5 3 0 3 EXC0603012019 and analysing them.	ication		Communication	communication, types of communication, basic communication models.			-		
	E E		Film Criticism and Analysis		5	3	0	3	EXC0603012019

Com		Communication History	The lecture is carried out by the lecturer and the	5	3	0	3	EXC060302201
Faculty of Com			participation of students is tried with the base of discussion practices. For the					
Facu			lesson to reach at its aim, it is necessary that the students					
			continue attending classes and finish the weekly obligatory					
		Communication Theories II	In this course, critical theory, cultural studies, audience research,	5	3	0	3	EXC060303201
	Radio Television and Cinema		such as the major trends in feminist theory and political					
		World Cinema History	economy are examined within their periods. Basic concepts related to the	5	3	0	3	EXC06030420
		,	field of journalism, ethical behavior					
		Basic Journalism	of the journalistic profession theories. Basic concepts related to the	5	3	0	3	EXC06030520
		basic Journalism	field of journalism, ethical behavior	3	3		3	EXC06030320
		Cinema Theories	of the journalistic profession theories. The development of the	5	3	0	3	EXC06030620
			cinema within the framework of theories.					
	English Language and Literature		The basis of theorical background which will be formed for social researches,	5	3	0	3	EXC09230220
		Research Methods in Social Sciences	qualitative and quantitative research planning, sampling					
			theory, data collection, measurement and evaluation,					
		English Grammar I	Nouns, pronouns, determiners, adjectives,	6	3	0	3	EXC09230320
			adverbs, comparative and superlative degrees, verbs and English tenses, subject-					
		English Grammar II	verb agreement and inverted Modals, noun clauses,	6	3	0	3	EXC09230420
			adjective clauses, adverb clauses, conditional clauses, passive voice, causativity,					
			indirect speech, gerunds, infinitives, participles and					
			ellintical sentence structures Texts from English					
			newspapers, weekly and monthly magazines and similar literary or non-fictional texts					
		Reading Skills I	are read and analysed in terms of their form, style and	6	3	0	3	EXC09230520
			meaning. At this point, some exercises are done so as to					
			develop the student's reading					
			newspapers, weekly and monthly magazines and similar					
		Reading Skills II	literary or non-fictional texts are read and analysed in terms of their form, style and	6	3	0	3	EXC09230620
			meaning. At this point, some exercises are done so as to					
		German I	develop the student's reading comprehension, critical To teach students German	5	3	0	3	EXC09230720
	Western Languages and Literatures		grammar and make them use them effectively. To provide the students with the necessary skills which are					
		German II	required to use German To teach students German	6	3	0	3	EXC09230820
Sciences			grammar and make them use them effectively. To provide					
cien			the students with the necessary skills which are required to use German					

Faculty of Arts and		Mythology	Theories about my thology and legends, Archetypalcriticism, Norse mythology and legends, Greco-Roman mythology and legends, Celtic mythology and legends, Middle Eastern mythologies and legends,	5	3	0	3	EXC0923092019
L L			Indian mythology and legends,					
			Creation and Destruction					
		Writing Skills I	Introduction to the paragraph, Types of paragraphs, Introduction to the essay, Types of Essays,	6	3	0	3	EXC0923102019
			Outline. Citation.					
		Writing Skills II	Literature review, thesis statement, summarizing, paraphrasing, quotation, MLA and APA citation rules.	6	3	0	3	EXC0923112019
		Differential Equations I	To investigate the origin and the general theory of differential equations, existence and uniqueness. Solution methods for first order differential equations. Applications. Introduction to high order differential	4	4	0	4	EXC0901012020
			equations. Reduction of order and Wronskian. Homogeneous and nonhomogeneous differential equations with constant coefficients. Undefined coefficient method, Variation of parameters					
	Mathematic s	Differential Equations II	To investigate differential equations with variable coefficients, system of differential equations, Higher order differential equations, Existence and	4	4	0	4	EXC0901022020
		Partial Differential Equations I	To investigate Fundamental Concepts, Classification of Equations, Constructing Equitions of some Problems, Linear and Nonlinear forst order Partial Differential Equations and their solution methods	4	4	0	4	EXC0901032020
		Partial Differential	To investigate	4	4	0	4	EXC0901042020
		Equations II	Nonhomogeneous Equations, Linear Partial Differential Equations with Variable Coefficients, Euler Type Partial Differential					
		Behavioral Sciences	This course focuses on behavioral aspects of individuals in organizations. Thus, this course gives ideas regarding psychological and sociological perspectives for individuals who work in an organization	5	3	0	3	EXC3502012019
		Organization Theory	This course covers structures of organizations and theories regarding the organizations.	5	3	0	3	EXC3502022019
	Business Administration	Business Management	To identify and solve the main problems of business. Communication process, leadership, motivation, conflict management, group dynamics, management	5	3	0	3	EXC3502032019
		Research Methods in Social Sciences	Designing qualitative and quantitative research; research writing,	5	3	0	3	EXC3502042019
I	I I		ethics in research.				<u> </u>	

ı	Cultural Discounites	This course identifies and	5	3	0	3	FVC3F030F3010
	Cultural Diversity Management	discusses diversity, diversity management, discrimination, equality, exclusion , inclusion in organizations through considering differences amongst individuals such as	o	3	U	3	EXC3502052019
	Strategic Management and Business Policy	This course covers strategy, strategic management process	5	3	0	3	EXC3502062019
	Introduction to Economics I	and planning. What is economics?, The science of economics, Departments of economics, The basic method of economics, the economic problem .Scarcity, Choice and Utility, Alternative cost, Alternative economic systems.Demand, Supply and Price, Demand curve, Supply curve, Determination of price by demand and supply.Elasticity, Price elasticity of demand, other demand elasticities, Elasticity of supply, Determinants of supply and demand elasticity.Supply and demand in action, Government controlled prices, Rent controls, The determination of imports and exports, Agricultural stabilization in supply and demand theory, Consumer s and Producer s surplus.Markets and pricing, Competitive markets, The	5	3	0	3	EXC3511012019
	Mathematical Economics I	Economic models, comparative e analysis, comparative stationarity and derivative concept, partial derivatives. Market model, input - output model, derivatives of implicit functions, optimization problems. Continuous and steady growth, optimization for equality constraints. Heterogeneous functions, investment and capital formation, balancing dynamic stability, nonlinear difference equations. The market is	5	3	0	3	EXC3511062019
Economics	Introduction to Economics II	A First Look at Macroeconomics, Measuring GDP and Economic Growth, The Economy in the long run: The classical model, Economic Growth, Money, the price level and inflation, The exchange rate and the balance of payments, Expenditure multipliers: The Keynesian Model, inflation and Unemployment in Turkey, Business Cycles in Turkey, Macroeconomic Policy: Fiscal Policy, Monetary Policy,	5	3	0	3	EXC3511022019

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	Mathematical Economics II	Economic models, comparative e analysis, comparative stationarity and derivative concept, partial derivatives. Market model , input - output model, derivatives of implicit functions, optimization problems. Continuous and steady growth, optimization for equality constraints. Heterogeneous functions, investment and capital formation, balancing dynamic stability, nonlinear difference equations. The market is	5	3	0	3	EXC3511072019
	Linear Algebra	Matrices: Definition of matrix, Types of matrices, matrix equality, Sum and difference of matrices, The product of scaler and matrix and their properties , Transpose of matrix and its properties - Some Special Matrices and Matrix Applications - Elementary row and column operations in matrices, Reduced row-echelon form, Rank of a matrix, The inverse of a square matrix, - Determinants: The determinant of a square matrix, Laplace's expansion, Properties of determinants - Sarrus rule, Additional matrix, Calculation of the inverse of a matrix with the aid of additional matrix - Systems of Linear Equations: Solving systems of linear equations with the aid of equivalent matrices, Linear homogeneous	5	3	0	3	EXC3511112019
	International Relations	The course includes major topics and issues in international relations to encourage further examination in more advanced classes. Major topics include international cooperation,	5	3	0	3	EXC3509012019
Political Science and International Relations	European Union-Turkey Relations	security and conflict, trade, and international law human. This course analyses Turkey's relations with the EU from political, economical, cultural and social dimensions. It provides the historical background of these relations dating it back to the post World War II order. The course covers the Ankara treaty, Association Agreement, Customs Union and the phases of Turkey's association with the EU. Turkey's position in the EU's enlargement process,	5	3	0	3	EXC3509022019
	Local Goverments I	Examining theoretical background and withstanding values of local government which is a vital part of public administration discipline, and within this framework analyzing all sides of local government including duty, authority, establishment, organization, financial	5	3	0	3	EXC3507012019
	Local Goverments II	The course aims to provide the students with a general knowledge on Local Governments in	5	3	0	3	EXC3507022019

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		Public Administration	To examine the structure and the functioning of the Turkish public administration, inter- institutional relations, the new management paradigm, and the reflection of the Turkish public administration.	5	3	0	3	EXC3507032019
		Management Science	To provide students be able to understand that the basic concepts of the discipline of management science, the nature of management process and the main problems	5	3	0	3	EXC3507042019
	Public Administration	Public Personnel Administration	Subject, aim, and characteristics of personnel administration, historical evolution of public personnel administration, main principles of modem public personnel administration, Personnel administration, Personnel systems, manpower planning, recruiting to public service, in service training, evaluation and promotion of personnel, status of public servants, motivation, rewarding and administrative ethics are subject to examination in this course. Furthermore problems of	5	3	0	3	EXC3507052019
		Turkish Political Life	To understand Turkish political life chronologically, to comprehend political cases persistent in politics, to present perspective about the future, to improve the vision of comprehending today by learning the past in terms of political history and making	5	3	0	3	EXC3507062019
		History of Political Thought II	Inforence shout the future Modern age political thought: Machiavelli, Socialist state system and reformation movements: Thomas Mores, Jean Bodin, Absolute Monarchies: Thomas Hobbes, Jacques Benigne Bossuet, Enlightenment Era: Liberalism: John Locke, 18. century: Montesquieu, Jean Jacques Rousseau, National sovereignty and German	5	3	0	3	EXC3507072019
	Public Finance	Public Debts	Reasons and Causes of Government Borrowings, Public Debt Structure and Types, Government Debt Management (Consolidation and Payment Methods), Macroeconomic Effects of Government Debt,	5	3	0	3	EXC3504012019
		Public Economics	Public Economics and Ideology, Economic Functions of Government, Public Expenditures and Revenues, Public Goods, Externalities and other Market Failures, Political Decision Making, Social		3	0	3	EXC3504022019
Faculty of Health Sciences	Health Management	Principles of Marketing	Marketing Concept. The Importance of Marketing, Marketing Approaches, Environment of Marketing, Strategic Marketing, Marketing Researches, Customer Behavior, Market Segmentation, and Marketing Mix.	5	2	0	2	EXC1407012019

	Chemical Engineering Design	Design, which is one of the most striking and essential functions of engineering, is applied to various manufacturing processes every year. All the necessary calculations required for raw materials used for the production of the final product / products in the process, dimensioning of the different units are carried out together with the economic point of view. In this sense, this course is an application of	5	3	2	4	EXC0503022019
	Chemical Reaction Engineering	Reaction rate concept in chemical reaction engineering, reaction thermodynamics, mole balances, batch reactors, continuous flow reactors sizing, rate laws and stoichiometry, reversible reactions, reactor sizing and design, isothermal batch and continuous reactor (CSTR, PFR, PBR) design, acquisition and analysis of rate data, multiple (parallel, series and complex) reactions,	5	3	0	3	EXC0503032019
	Environmental Chemistry	To give information about; Introduction to environmental chemistry, Componenent of Atmosphere, photochemical and chemical reactions, Global warming, Greenhouse Effect, Photochemical Smog, Acid Rains, Air and Air pollution, Determination of Air quality, Water and water contamination, Determination of Water Quality, Soil chemistry, Soil Pollution, Nuclear Chemistry, reactions	4	3	0	3	EXC0503052019
	Fuel Cells	Basic principles of fuel cells and type of cells. Fundamental principles of fuel cell systems. Fuel processing and Fuel cell system properties. The understanding, improving and application principles of of Alkaline, phosphoric acid and solid state and solid polymer electrolyte fuel cells will be	4	3	0	3	EXC0503072019
Chemical Engineering	Heat Transfer	Fundamental concepts of heat transfer. Heat transfer mechanisms: conduction, convection, radiation. General energy equation. Steady state and transient heat transfer. Forced convection. Natural convection. Boiling and	5	3	0	3	EXC0503082019
	Mass and Energy Balances	Chemical processes, units and dimensions, conservation of mass for single- and multicomponent closed and open systems, energy and material balances around single and multiple process units, multiphase systems, phase equilibria, stoichiometry (chemical reactions, conservation of atomic species, material balances for reactive systems, multiple reactions: conversion, selectivity and yield, combustion reactions, energy balances on closed and open systems, mechanical energy	5	4	0	4	EXC0503102019

		The Laplace Transform, System modeling methods. Models of first and higher order systems. Process transfer functions. Chemical process control requirement. Dynamic modeling and definition of					
	Process Control	variables. Analysis of the dynamic behavior of chemical processes. Nonlinear systems and their transfer functions. The dynamic behavior of the first and higher order chemical processes. Feedback control systems And their dynamic behavior. Stability analysis and design principles of feedback control systems.	4	3	0	3	EXC0503122019
		Frequency response and Bode stability analysis of linear					
	Technical Thermodynamics	General principles of thermodynamics: Thermodynamics and energy. Closed and open systems. State and equilibrium. Processes and cycles. Properties of pure substances. Diagrams of phase changes. Equations of states. First law of thermodynamics for closed and open systems. Second law of thermodynamics. Heat engines. Heat pumps. Reversible and irreversible processes. Carnot cycle. Carnot heat engines and pumps. Clasius inequality. Entropy. Principle of entropy increase. Exergy. Second law	5	4	0	4	EXC0503132019
	Active and Passive	Vibration control principles of	10	3	0	3	EXC0513012019
	Dampers	passive and active dampers, dynamic models, types, differences between passive and active vibration control, installation to structures, advantages to structures					
	Airports	Giving the basic engineering knowledge about the airport planning, design, construction and maintenance. To recognize and classify aircrafts, air transport properties and activities. To describe necessary facilities and	10	3	0	3	EXC0513022019
Civil Engineering	Earth Works	The course will provide methodologies and applications for the preparation of construction areas before the structural	10	3	0	3	EXC0513032019
	Finite Element Method	This course provides an introduction to finite elements method with a focus on one and twodimensional problems	10	3	0	3	EXC0513042019
	Pavement Design	in structure, static and Determination of equivalent wheel loads and Calculation of equivalent wheel loads, equivalent axle loads. CBR method, AASHTO method and applications	10	3	0	3	EXC0513052019
	Structural Dynamics	The objective of the course is to understand the behavior of structure especially buildings to various dynamic loads: such as wind, earthquake, machine vibration and ambient	10	3	0	3	EXC0513062019

	Conscious Nutrition Culture	Relationship between health and nutrition, healthy nutrition concepts, food processing methods, effect of food processing on nutritional value of foods, food additives, effect of food additives on health, food pacakging materials and basic concepts of food packaging, effect of packaging on nutritional value of foods and health, legislative regulations on food labelling, information that must be found on food labels, proper food storage and shelf life of	5	3	0	3	EXC0523012019
	Control System Design	Introduction to Control Systems: Basic terms. Examples of control systems. Feedback concepts. Mathematical Background and Design Tools: The Laplace Transform. Background for MATLAB. Mathematical Modeling of dynamic systems: Transfer functions. Block diagrams. Modeling in state space. Linearization. Transient and steady-state response analysis. Stability analysis. Root Locus Based Analysis and Design: Root- locus plots.	4	3	0	3	EXC0523022019
Food Engineering	Food Biotechnology	Introduction to Biotechnology, applications of biotechnology in food and non-food area, bioprocesses, downstream and upstream processes, bioreactors, fermentation processes and systems, recombinant DNA	5	3	0	3	EXC0523032019
	Food Chemistry and Biochemistry	This course covers major chemical reactions that occur in foods; the chemistry of food components; basic cell knowledge, bioenergetics and carbohydratemetabolism, structure, function and metabolism of lipids, protein and amino acid metabolisms in cells, nucleic acid metabolism, hormones, water and lipid soluble vitamins, minerals, electrolites andwater	5	3	0	3	EXC0523042019
	Food Packaging	The role, function and selection of packaging materials, the physical and chemical properties of the packaging materials used for foods in relation to food properties and processing. The principles of design and technology used to produce laminated packaging materials, active and smart packaging, and edible films. Advances in packaging science and technology and	5	3	0	3	EXC0523052019
	Fruit and Vegetable Processing Technology	Biological, chemical and nutritional properties of fruit and vegetables, postharvest changes in biochemical properties and nutritional quality of fruit and vegetables, drying technology, fruit juice processing, canning technology, jam production technology, tomato paste	5	3	0	3	EXC0523062019

	Sensory Evaluation of Foods	Course Contents:Theory of Sensation, Sensory evaluation	5	3	0	3	EXC0523072019
		techniques, Understanding of consumer perception on Food					
		Choices, statistical analysis of					
		sensory data, correlation between sensory and					
-		analytical results Introduction, General Terms					
		and Measurement Units,					
		Overview of Large Scale Maps, Reading of Coordinates From					
	Cartometry in Geomatics	Maps, Reading Angle and	6	2	0	2	EXC0519022020
	Engineering	Length from Maps, Calculation of Slope from Maps,	Ĭ	-		-	EXC0313022020
		Calculation of Area from Maps, Calculation of Soil Volume					
		from Maps, Maps for					
	Global Positioning with	Introduction, Basics of	6	3	0	3	EXC0519032020
	Artificial Satellites (GNSS) in Geomatics	Positioning with Satellites and Uses.					
	Engineering	Advantages and					
		Disadvantages of Positioning with Artificial Satellites, GPS					
		Satellites, Glonass Satellites, Galileo Satellites, Positioning					
Geomatic		Methods With Satellites					
Engineering		The difference between plane surveying and geodetic					
		surveying, the differences between random error,					
		systematic error and mistakes,					
		the errors, standard deviations, standard errors of					
		the mean, accuracy ratio or					
	Surveying	relative precision of a set of measurements in terms used	6	3	0	3	EXC0519012019
		by the surveyor, the difference					
		between a horizontal plane and a level surface, the					
		coordinates of travers points, the differences in elevation					
		using differential leveling,					
		setting-up a total station and accurately measure distances					
		and angles, setting-up an					
	Life Cycle Assessment and Its Application in	General concepts of live cycle assessment (LCA)					
	Engineering	methodology and related					
		standards, goal and scope, system boundaries, use of the	7	3	0	3	EXC0527012019
		LCA software, environmental					
		impact, results and interpretation, application of					
		ICA in textile leather building Basic concepts of production					
		and characterization at nanoscale, Introduction to 0D,					
	Dundanting and	1D, 2D, and 3D nanomaterial					
Materials Science	Production and Characterization at	production, Top down and bottom up nanomaterial	7	3	0	3	EXC0527022019
and Nanotechnology Engineering	Nanoscale	production methods,					
Linguisetting		Properties of the materials produced at nanoscale,					
		Characterization methods of					
	Production and Characterization of Nano	This course covers both production and	7	3	0	3	EXC0527032019
	Thin Films	characterization of organic					
		nano thin films by spin coating and Langmuir-Blodgett					
	Scientific Research	Basics of scientific research,	9	3	0	3	EXC0527042019
	Methods And Publication Ethics	problem identification, methods of sampling, data					
		acquisition, quantitative and qualitative researches,					
		reporting, publication ethics.					

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	Dynamics	Kinematics of particles: Linear motion, curvilinear motion, Relative motion, Motion in different coordinate systems Kinetics of particles: Force, mass and acceleration, Newton's second law, Work and energy, Impulse and momentum Plane kinematics of rigid bodies: Rectilinear translation, curvilinear translation, fixed axis rotation,	6	4	0	4	EXC0505012019
	Mechanical Vibrations	Single-degree and Multi- degrees of Freedom Systems, Free Vibrations, Forced Vibrations, Unbalanced Forced Due To Inertia of The Moving, Vibration Isolation, Torsional	4	3	o	3	EXC0505022019
	Energy Management II	Summary for the first part of lecture and efficient utilization of compressed air Fundamentals of writing energy efficiency report • Energy efficiency research instrument Constitution of energy flow chart of a plant Specification of energy management opportunities: Efficient operation of boilers Specification of energy management opportunities: Steam leak detection and cost calculation Specification of energy management opportunities: Water leak cost Specification of energy management opportunities: Energy efficiency gained by insulation of pipes • Specification of energy management opportunities: Energy efficiency gained by insulation of energy management opportunities: Energy efficiency gained by	4	3	0	3	EXC0505032019
	Renewable Energy Sources	General knowledge of renewable energy systems, Fundamentals of solar energy, available solar radiation, solar collectors and solar energy applications, Fundamentals of wind power generation, principles and applications, Fundamentals of hydroelectric power generation, principles and applications, Fundamentals of wave energy, principles and applications, Fundamentals of geothermal energy, principles and applications, Fundamentals of photovoltaic power generation, principles and applications, Fundamentals of photovoltaic power generation, principles and applications, Fundamentals of	4	3	0	3	EXC0505032019
	Strength of Materials II	 Principal stresses, Beams, Columns and buckling, Energy methods, The finite element method, Plates and shells 	4	3	0	3	EXC0505042019
Mechanical Engineering	Strength of Materials I	Stres, starin, deformation, Axially loaded bars, Bending, Trosion, Transversly loaded beams, Thin walled members, Stres and strain	6	4	0	4	EXC0505052019

		General introduction of					
		lecture; General status of					
		energy in					
		Turkey; the structure of					
		· ·					
		Turkish industry					
		 Concepts of energy efficiency 					
		and energy management; the					
		golden elements of energy					
		management system					
		The way of constituting an					
		energy management system					
		Practical approaches of fuels					
		and burning					
	l	An introduction to steam		_	_	_	
	Energy Management I		4	3	0	3	EXC0505062019
		systems and efficient designs					
		Mass and energy balance					
		 Energy analysis in drying 					
		systems					
		Waste heat recovery		I			
		Energy efficiency in		I	I		
		refrigeration systems		I	I		
		Cogeneration and					
		_		I	I		
		Trigeneration					
		Electrical System					
		Optimization					
		Insulation; Insulation					
		Calculation for valves and					
	Industrial Acoustics and	Fundamentals concepts of	4	3	0	3	EXC0505072019
		· ·	,		ľ		LAC03030/2013
	Noise	sound, Measurement of noise,					
		Acoustical materials and					
		structures,					
		Standards, Industrial noise					
		control and isolation					
		The objectives of the lecture					
		are to teach control systems					
		and their components; and to					
		teach computer aided					
		modelling and automatic					
		control of several dynamic					
	System Dynamics and		4	3	0	3	EXC0505082019
	Control	systems, which students use		l -	l -		
		during their profession. In		I	I		
		lectures, different applications		I			
		of engineering systems are					
		solved in order that students		I	I		
		understand					
		aubianta and analu bia		<u> </u>	<u> </u>	<u> </u>	
	Mechanisms	Position analysis of	4	3	0	3	EXC0505092019
		mechanisms, Instant centers					
		of rotation, Velocity analysis of					
		mechanisms,Acceleration					
		analysis of mechanisms, Gear					
		Mechanisms. Cam					
		Definition of yarn, basic					
		concepts of yarn spinning		I	I		
		systems, yarn		I			
		numbering systems, fiber					
		properties that affect yarn					
	Butu stude a CO : :	properties, basic processes of	_	۱ _	۱ _	ا	FV60F0404045
	Principles of Spinning	spinning (drawing, doubling,	5	3	0	3	EXC0501012019
		twisting), short and long fiber		I			
		spinning systems, ring and					
		rotor spinning systems, open		I	I		
		loop and closed loop control					
				I	I		
I		systems, kinematic		I			

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	Textile Engineering	Natural Fibers	Identification the use areas of textile fibers according to their definitions and properties, Classification of natural fibers, the physical and chemical properties and obtaining the methods, the physical and chemical processes applied to fibres, preparation for sale and standardization. In addition, laboratory classes will be carried out for distinguishing these fibers by visual microscopic features and burning test. In course content fibers such as cotton, linen, hemp, jute, ramie, sisal, Abakan, kapok, coconut, wool, mohair, cashmere, alpaca, llama, angora, silk, and	5	2	0	2	EXC0501022019
		Spinning Technology I	All machine and technology that begins from (cotton and/or chemical) to yarn in	5	2	1	2,5	EXC0501032019
		Spinning Technology II	All machine and technology that begins from (wool and/or chemical) to yarn in wool	5	2	1	2,5	EXC0501042019
		Modern Yarn Spinning	processes are explained. Modernization studies in conventional spinning machines, Open End spinning technique and Properties of Open End yarn, Friction and Air jet Vortex Spinning	5	3	0	3	EXC0501052019
		Introduction to Knitting Technology	The basic principles of weft and warp knitting, main elements of weft and warp knitting machines, stitch formation in weft and warp knitting, patterning principles using basic and different stitch structures in weft knitting, basic weft knitted structures	5	2	1	2,5	EXC0501062019
		Weft Knitting Technology	Introduction to weft knitting principles, the weft knitted fabric structures and properties, patterning principles and mechanisms on flat and circular knitting machines, weft knitted fabric geometry, production	5	2	1	2,5	EXC0501072019
		Thesis Study (Master's Degree)	To enable the graduate student to study with the aims of gathering, assessing and interpreting data to solve a specific problem current in the field in which the student study within ethical limits.	20	0	1	1	EXC43000012020
l li	(These courses have to be taken only by thesis	Directed Field Studies (Master's Degree)	To equip the graduate student with information and experience in the field in which the advisor studies, ethical and study discipline and ability to monitor and	10	4	0	4	EXC43000022020
	students who fulfilled the required courses in their programs)	Thesis Study (PhD)	To enable the graduate student to study with the aims of gathering, assessing and interpreting data to solve a specific problem current in the field in which the student study within ethical limits.	20	0	1	1	EXC43000032020
		Directed Field Studies (PhD)	To equip the graduate student with information and experience in the field in which the advisor studies, ethical and study discipline and ability to monitor and	10	4	0	4	EXC43000042020

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		A survey of various colloidal					
		systems (suspensions,					
		emulsions, self- assembly					
		systems); an introduction into					
		interfacial phenomena (surface tension, wetting,					
		capillarity, adsorption,					
		electrostatic characteristics of					
		the interfaces, electrical					
		double layer) and					
		intermolecular (van der Waals)					
		forces of significance for					
		colloidal stability; fundamental					
	Colloid and Surface	principles for experimental	8	3	0	3	EXC43042012020
	Chemistry	methods for measuring the					2,1043042012020
		phenomena; examples of the					
		practical significance of					
		colloidal systems in everyday					
		life and industrial processes,					
		the concepts which allow					
		understanding physico-					
		chemical phenomena					
		involving dispersed systems					
		and interfaces (surfaces,					
		colloids, nano-scale and					
		supramolecular systems), and					
		their impact on the behavior					
		Freshwater resources, global					
		warming effects on water					
		resources, water demand and					
		forecasting, quality of water,					
		standards, water quality index,					
		water distribution networks;					
	Drinking Water Treatment	physical, chemical, and	8	3	0	3	EXC43042022020
		biological processes in water					2,10,100,120220
		treatment (coagulation,					
		flocculation, sedimentation,					
		settling, granular and membrane filtration,					
		disinfection), theory and					
		conceptual design of water					
		Overview of membrane					
		science and technology, types					
		of membranes, membrane processes, membrane					
		transport theory, membranes					
		and modules (isotropic,					
		anisotropic, metal, ceramic,					
		liquid, hollow fiber					
		membranes), concentration					
		polarization, boundary layer					
		film model; cross-flow, co-flow					
	Membrana Sanaratia	and counter-flow; reverse					
	Membrane Separation Technologies	osmosis membranes,	8	3	0	3	EXC43042032020
	reciniologies	ultrafiltration membranes,					
		microfiltration membranes,					
		gas separation membranes,					
		pervaporation membranes,					
		carrier facilitated transport,					
		medical applications of					
		membranes (hemodialysis,					
		blood oxygenators, controlled					
		drug delivery), dialysis, membrane contactors and					
Chemical		membrane distillation,					
Engineering		membrane reactors;					
	Adsorption and	Principles of mass transfer,	8	3	0	3	EXC43042042020
	Absorption	mass transfer between					
		phases; vapour-					
		liquid, solid-liquid and solid-					
		vapour mass transfer					
		processes; adsorption					
		equilibrium and kinetic					
		models, adsorbents and their					
1		nronerties design of					

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	Porous Solids	Structures and types of porous solids (zeolites, metal organic frameworks, activated carbons etc.), synthesis and modification of porous solids for different applications (adsorption, separation, catalysis etc.), characterization methods, textural properties (pore analysis models, total pore volume, mean pore size, pore size distribution, surface area, micropore analysis models), surface characterization methods, thermal analysis methods, applications of porous solids in	8	3	0	3	EXC43042052020
	Characterization of Aroma in Foods and Chromatographic Analysis Methods	This course covers both qualitative and quantitative determinations of aroma compounds found in foods by gas chromatography including headspace, solvent extraction, distillation, thermal desorption system, solid phase micro	8	3	0	3	EXC43021012020
Food Engineering	Genetically Modified Foods	Production of genetically modified organisms, basic concepts related to the animal and plant biotechnology and genetics, status of transgenic products both in Turkey and in the World, transgenic plants used as a food material, the effect of transgenic plant-based foods on health, environment, biodiversity and socio-economic structure, determination methods of GMO in foods, biosafety,	8	3	0	3	EXC43021022020
	Nanobiotechnology	Biological and food grade nanoparticles, production and applications of of various types of nanoparticles and nanostructured materials with potential use in biotechnology, production and aplication of biomaterials and biomolecules, characterization of nanoparticles and their applications within bioseparation, diagnostics, transport and delivery,	8	3	0	3	EXC43021032020
	Life Cycle Assesment and its Application in Engineering	General concepts of live cycle assessment (LCA) methodology and related standards, goal and scope, system boundaries, use of the LCA software, environmental impact, results and interpretation, application of LCA in textile, leather, building and material	7	3	0	3	EXC43049012020
	Production and Characterization at Nanoscale	Basic concepts of production and characterization at nanoscale, Introduction to 0D, 1D, 2D, and 3D nanomaterial production, Top down and bottom up nanomaterial production methods, Properties of the materials produced at nanoscale, Characterization methods of materials produced of the materials produced at nanoscale,	7	3	0	3	EXC43049022020
	Scientific Research Methods and Publication Ethics	Basics of scientific research, problem identification, methods of sampling, data acquisition, quantitative and qualitative researches, reporting, publication ethics	9	3	0	3	EXC43049032020

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		Production and Characterization and Nano Thin Films	This course covers both production and characterization of organic nano thin films by spin coating and Langmuir-Blodgett (LB) techniques.	7	3	0	3	EXC43049042020
and N	erials Science Nanotechnology neering	Biomaterials:Design and Applications	Biological active materials, Analysis of biomimetic surfaces, Adhesion in biomaterials, Biocompatibility, Biodegradation, epithelization, endothelization, standards and tests of biomaterials, comparison of material performance with design of a specific medical device, introduction of relevant material subjects to students, relationship between structure and properties of biomaterials, measure of	7	3	0	3	EXC43049052020
	<u> </u>	Fiber Science and Tecnology	Basic concepts of fiber science and technology, Introduction to fiber structure, Classification of fibers (natural-synthetic and semi-synthetic fibers), requirements of fiber formation, Chemistry, synthesis and production processes of fibers, Properties of fibers, Characterization methods of macro- and micro-structure of fibers, advanced fibers and technologies: smart fibers, high performance fibers, functional fibers, hollow	7	3	0	3	EXC43049062020
		Advanced Operations Researsh I	Definition of efficiency and productivity terms, Introduction to Data Envelopment Analysis (DEA), Presentation of basic DEA models and their applications, Introduction to Stochastic Frontier Analysis (SFA), Presentation of basic SFA model and its applications, Introduction to Malmquist Index (MI), Presentation of MI method and its applications , Introduction to Window	7	3	0	3	EXC43049072020
		Advanced Strength of Materials	Basic concepts and definition Conditions of plane stress and applications Theory of thin plates and plate girders, their applications Bending of plates and beam systems Bending of isotropic plates and applications Bending of anisotropic plates and applications	7	3	0	3	EXC43046012020
		Boundary Element Method	Approximate solution methods for engineering problems, method of weighted residuals, collocation methods, method of least squares, ritz and galerkin methods, finite difference method, boundary and domain methods, advantages and disadvantages of methods, weak formulations, fundamentals of boundary element method, fundamental solutions, boundary elements, potantial problems, elasticity	7	3	0	3	EXC43046022020

	Contact Mechanic	Hertzian elastic contact. Elastic- plastic behavior under repeat loading. Friction. Dynamic loading. Surface roughness effects. Conduction of heat and electricity across interfaces. Thermal and thermoelastic effects in sliding and static Comparison with the Finite Element Methods.	7	3	0	3	EXC43046032020
	Meshless Methods	Fundamentals of Meshless Methods. Strong and Weak Form Expressions. Weight Functions for meshless Methods. Element Free Galerkin Method. Meshless Petrov-Galerkin Method. SSPH Method. Point Interpolation Method. Analysis of Beams. Analysis of Plates. Analysis of Heat	7	3	0	3	EXC43046042020
	Mechanics of Composite Materials	Properties of Unidirectional Long Fiber Composites, Linear Elasticity for Anisotropic Materials, Rotations of Stresses, Strains, etc., Failure Criterion, Laminate Analysis, Fracture Mechanics of Composites, Posign with Composites	7	3	0	3	EXC43046052020
	Fundamentals of Solar Energy	Waste heat recovery potential in industry, waste heat utilization methods, energy recovery techniques, gas-gas heat recovery systems, gas-liquid and liquid-liquid heat recovery systems, use of heat pipes, heat exchangers and heat pumps in energy recovery, energy-exergy analysis of waste heat	7	3	0	3	EXC43046062020
	Thermodynamics of Internal	Advances thermodynamics analysis, Internal combustion engines, Efficiency.	7	3	0	3	EXC43046072020
	Advanced Fluid Mechanics	Advances thermodynamics analysis, Internal combustion engines, Efficiency.	7	3	0	3	EXC43046082020
Mechanical Engineering	Fuel Cell Systems	Definitions, Historical developments of fuel cells, Energy Requirements and Emissions, Alkaline fuel cells and design principles, phosphoric acid fuel cells, Molten carbonate fuel cells, Solid oxide fuel cells, Solid Polymer fuel cells, Electrochemistry of fuel cells, Fuel Production methods for Fuel Cells, Example fuel cell	7	3	0	3	EXC43046092020
	The Finite Element Method	Time dependent problems, Numerical integration, Error analysis, Plane elasticity problems, Plate bending, Plate and shell analyses, Composite elements	7	3	0	3	EXC43046102020

	Theory of Elasticity	Basic Concepts Kinematics of continuums (General) Special consideration of kinematics of continuum Conditions of compatibility Statics of continuum Hooke's Law Equation of Navier and Beltrami Equation of Equilibrium of Elementary Tetrahedron Condition of Plane Stress Equation of Thin Plates Equation of Thin Plates Concerning Change of Temperature Airy Function and Applications	7	3	0	3	EXC43046112020
	Theory of Energy	3-D stress state. 3-D strain state. Virtual work principle. Betti-Maxwell reciprocity theory Influence coefficients. Castigliano theorem. Total potantial	7	3	0	3	EXC43046122020
	Advanced Solar Energy Applications	Solar active and passive heating systems, thermal storage, solar cooling, distillation, high temperature applications, industrial process temperature, photovoltaics, combined systems with other renewable and conventional energies, design	7	3	0	3	EXC43046132020
	Low Exergy Heating and Cooling Systems	Introduction to Low Exergy concepts. Calculating low exergy of various energy resources. Low exergy optimized building design. Low exergy technologies. Strategies for designing low exergy systems in buildings.	7	3	0	3	EXC43046142020
	Energy Stroge Systems	Thermal analysis of energy storage, Energy storage systems, Thermal energy storage methods, Sensible heat storage systems, Latent heat storage systems, Thermochemical energy storage systems, Electrical energy storage systems, Exergy analysis of thermal	7	3	0	3	EXC43046152020
	Heat Pumps and Applications	Basic concepts and introduction, Working principle of heat pumps; its thermodynamic analysis, Heat pump types, Components of heat pumps, Throttling devices and equipment, Refrigerant types and properties, Preparation of a heat pump project,	7	3	0	3	EXC43046162020
Occupational Health and Safety	Principles of Marketing	Marketing Concept. The Importance of Marketing, Marketing Approaches, Environment of Marketing, Strategic Marketing, Marketing Researches, Customer Behavior,	4	3	0	3	EXC43031012020

	Advanced Education Statistics I	Frequency distribution graphs, Arithmetic mean, mode, median. ranj, standard deviation, ,u.iun"., Distribution Curve, Relativity coefficient, skewness coefficient. t-point, statistical concept, data, data types,	8	3	0	3	EXC43017012020
Science Education	Advanced Education Statistics II	T-tests (Single sample, Independent groups and dependent groups t-test), variance analysis, difference control analysis, nonparametric tests, chi- square, mann whitney	8	3	0	3	EXC43017022020
	Technological Pedagogical Content Knowledge for Science Teacher Education	This course covers the fundamentals of Technological Pedagogical Content Knowledge for science teacher education so that graduate students develop the knowledge and skills about effective teaching of science	7	3	0	3	EXC43017032020
Zootechnics	Incubation Techniques	Hatching eggs production. Factors affecting quality of hatching eggs. Embryo development at pre-laying stages. Embryo development during incubation. Fertility and determined. Embryonic membrane. Stages of embryo development. Incubation and hatching management. Determined incubation problems and measures to be taken. Hatchery and equipments. Incubation conditions. Incubation management.	8	3	0	3	EXC43083012020
Agriculture Science	_		3	3	0	3	EXC43069012020
	Science Tissue Culture at Filed Crops		3	3	0	3	EXC43069022020

	Understanding the basic					
	concepts of General Topology.					
	The content of the couse					
	includes the followings:					
	Topological spaces;					
	Fundamental concepts;					
	neighborhood; Base and					
	Subbase; Subspaces;					
Topology	Continuous Functions; Product	5	3	0	3	EXC43051012020
Topology	Spaces; Quotient Spaces;	3	3	ľ]	EXC43031012020
	Convergence;					
	Nets; Filters; Separation and					
	Countability Properties;					
	Compact Spaces; Locally					
	Compact Spaces; Compaction;					
	Metrizability; Complete Metric					
	Spaces; Baire category					
	theorem;					
	The purpose of this course is					
	to teach the students the					
	basics of Hilbert and Banach					
	spaces, the basics of the					
Advanced Functional	operators defined on Hilbert	6	3	0	3	EXC43051022020
Analysis I	spaces, as well as			ľ		
	the four important theorems -					
	Hahn-Banach theorem,					
	Uniform Boundedness					
	Theorem Open					
	The purpose of this course is					
	to teach the concepts that					
	form the basis of the Lebesgue					
	integration theory. The					
	content of the course includes					
	the followings:					
	Preliminaries: infimum,					
	supremum, liminf, limsup. The					
	pointwise and the uniform					
	convergence of function					
	sequences and series. A short					
	summary of the Riemann					
	integral.					
Measure Theory I	Algebras and sigma-algebras	6	3	0	3	EXC43051032020
	of sets. Premeasures, outer					
	measures and measures.					
	Caratheodory criterion. Borel			1		
	sigma-algebra, Lebesgue			1		
	measurable sets, and the					
	Lebesgue measure on R.			1		
	Measurable functions and			1		
	their sums, products and			1		
	limits. Almost everywhere			1		
	convergence and the					
	convergence in measure.			1		
	Simple functions. The			1		
	Lebesgue integral and its basic					
	Understanding the basic					
	concepts of Applied			1		
	Mathematics. The content of			1		
	the course includes the			1		
	followings: Principles					
	of Applied Mathematics;			1		
	Linear Spaces; Function			1		
Applied Mathematics I	Spaces;	5	3	0	3	EXC43051042020
pp	Fourier and Polynomial Bases;					
	Integral Equations; Differential			1		
	Operators and Boundary Value			1		
		i l	I	I		l
	Problems; Theory of					
	Problems; Theory of Distributions; Green's					
	Distributions; Green's					

	Induceduction to Nonlinear	An introduction related to the basic concepts and derivatives for nonlinear optimization problems. The content of the course includes Existence Theorems for Minimal Points; Problem Formulation, Existence Theorems, Set of Minimal Points, Generalized Derivatives; Directional Derivative, Gateaux and Frechet Derivatives, Subdifferential, Quasidifferential, Clarke	5	3	0	3	EXC43051052020
	Advanced Functional Analysis II	The purpose of this course is to teach the students the basic theorems pertaining to the weak and weak* topologies, as well as the operators on Banach	6	3	0	3	EXC43051062020
	Measure Theory II	The purpose of this course is to teach the advanced fundamental theorems such as the Radon-Nikodym theorem, as well as the representation theorems pertaining to the Banach space duals of the Lebesgue spaces and the space of the continuous functions on compact Hausdorff topological	6	3	0	3	EXC43051072020
		Understanding the basic concepts of Applied Mathematics. The content of the course includes the followings: Generating Functionology; Mathematical Modelling; Dimensional Analysis and Scaling; Analytical Methods; Perturbation Methods; Calculus of Variations; Dynamical Systems; Sturm-Liouville problems; Theory of	5	3	0	3	EXC43051082020
Mathematic s	Vector Optimization I	Informing the students about the basic topics of convex analysis and vector optimization. The content of the course includes the followings: Linear Spaces and Convex Sets, Partially Ordered Linear Spaces, Topological Linear Spaces, Convex Maps, Convex Maps, Differentiable Maps, Zorn's Lemma and the Hahn-Banach Theorem, Separation Theorems, James Theorem,	5	3	0	3	EXC43052012020
,	Vector Optimization II	: Examination of the basic concepts of vector optimization and solution methods used in problems. The content of the course includes the followings: Optimality Notions, Necessary Conditions for Optimal Elements of a Set, Sufficient Conditions for Optimal Elements of a Set, Sufficient Conditions for Optimal	5	3	0	3	EXC43052022020

	T					
Advanced Differential Equations I	To investigate high order non linear differential equations, Autonomous equations, Equations with equal dimensions with respect to x, invariant equations under scaling transformation, equations with equal dimensions with respect to y, Riccati's equation, Riccati's equation, second order	6	3	0	3	EXC43051112020
Advanced Differential Equations II	To investigate the relation between differential equations and singular point, singular points for single and multiple variable functions, separated singular point, relations between linear differential equations and their solutions and singular point, ordinary point, smooth singular points, Fucs equations, study on singular point's around, in infinity point, to remove singularities by changing independent variable, to remove singularities by changing dependent variable, analytical continuity, relation between nonlinear differential equations and their solutions and singular point,	6	3	0	3	EXC43051122020
Difference Equation	To investigate the Difference	6	3	0	3	EXC43051132020
•	Calculus, Linear Difference Equations, Stability Theory, Asymptotic Methods.					
Difference Equation	To investigate The z-	6	3	0	3	EXC43051142020
Theory and Applications II	Transform, Stability Theory, Initial Value Problems for Linear Systems, Stability of Linear Systems, Fundamental Matrices and Floquet Theory, Stability of					
Dynamic Equations on Time Scales I	To investigate the basic definitions, differentiation, integration, chain rules, polynomials, first order linear equations, Hilger's complex space, the	6	3	0	3	EXC43051152020
						
Dynamic Equations on	exponential function, initial To investigate second order	6	3	0	3	EXC43051162020
Dynamic Equations on Time Scales II	To investigate second order linear equations on time scales, reduction of order, method of factoring and variation of parameter on time scales, Euler-Cauchy equations, Laplace transform, Self- Adjoint equations, The		3	0	3	EXC43051162020
	To investigate second order linear equations on time scales, reduction of order, method of factoring and variation of parameter on time scales, Euler-Cauchy equations, Laplace transform,		3	0	3	EXC43051162020 EXC43052032020
Time Scales II	To investigate second order linear equations on time scales, reduction of order, method of factoring and variation of parameter on time scales, Euler-Cauchy equations, Laplace transform, Self-Adjoint equations, The Bicati equation on time scales. To investigate Grunwald Letnikov fractional derivative-integral, Riemann-Liouville fractional derivative-integral, Conformable fractional derivative and integral, Conformable fractional derivative and integral, Conformable fractional derivative-integral, Conformable fractional derivative-integral, Conformable fractional derivative-integral,					

	Oscillation Theory of	To investigate second order	9	3	0	3	EXC43052052020
	Dynamical Equations on Time Scale	linear equations on time scales, reduction of order,					
	Time Scale	method of factoring and					
		variation of parameters on					
		time scales, Euler-Cauchy					
		equations, Laplace transform,					
		Self-Adjoint equations, Riccati					
	Introduction to Harmonic	Fourier Series and their	9	3	0	3	EXC43051172020
	Analysis	absolute, pointwise, uniform,	9	3	ľ]	EAC45051172020
	Allalysis	L2-norm, L1-					
		norm convergence. Fourier					
		Transform L1, L2 and LP					
		Theory for Fourier transform.					
		Bandlimited functions, Paley-					
	Manalet Theory	Wiener snaces Classical	9	3		_	FVC420F1102020
	Wavelet Theory Abstract Harmonic	Introductory wavelet theory. General theory of the Abstract	9	3	0	3	EXC43051182020 EXC43052062020
	Analysis I	Harmonic analysis on compact	9	3	ľ		EAC43032002020
	Analysis	groups and locally compact					
		Abelian groups. Introduction					
		to modulation spaces on					
		locally compact Abelian			ļ		
	Abstract Harmonic	Introductory material for the	9	3	0	3	EXC43052072020
	Analysis II	Abstract Harmonic Analysis on					
		noncommutative locally					
		compact groups. The history and culture of			—		
		ancient Syria influenced					
		Mesopotamia as well as					
		Anatolia. Especially the rich					
	History and	crop fields and pastures of					
	Archaeology of Syria	Northern Syria attracted the	6	3	0	3	EXC43002012020
	from the Neolithic	Mesopotamian (e.g. theLate	٠	,	ľ		EXC45002012020
	Period to the Iron Age	Uruk) and the Anatolian (e.g.					
		theHittite) cultures. Starting in theNeolithic Age different					
Archeology		cultures and historical					
1		developments will be					
	Relations of Northern	The Chalcolithic material from	6	3	0	3	EXC43002022020
	Mesopotamian	the rescue excavations in the	Ů		ľ		EXC43002022020
	•	dam					
	and Local Anatolian	area of Southeastern Anatolia					
	Cultures	will be evaluated in thelight of					
		thediscussions about the					
		grade of theinfluence of the					
		Uruk cultures on the					
	Cultural Diversity	neighboring regions This course identifies and	5	3	0	3	EXC43032012020
	Management	discusses diversity, diversity					
		management, discrimination,					
		equality, exclusion, inclusion					
		in organizations through					
		considering differences					
		amongst individuals such as					
		This course aims to teach the			i		
		operations research and					
Business		modelling constructs. After an					
Administration		introduction to Operations					
	Operations Research	Research, linear programming,	5	3	0	3	EXC43032022020
		modelling, graphical solution,					
		simplex method,					
		transportation and assigment problems, and project					
	l	management subjects will be					
	Research Methods in	Designing qualitative and	5	3	0	3	EXC43032032020
	Research Methods in Social Sciences	Designing qualitative and quantitative research;	5	3	0	3	EXC43032032020
		Designing qualitative and	5	3	0	3	EXC43032032020

Individual demand curve, market demand curve, market demand curve, price and income elasticities, theory of indifference curve, stillity functions, (Gobb-Douglas, CS3), concavity analysis in Livity functions, (Gobb-Douglas, CS3), concavity analysis in Livity functions, (Gobb-Douglas, CS3), concavity analysis in Livity functions, budget seemed and substitution of the concurrence equilibrium, vitals and Shitshy income and substitution effect, production functions, looguant curves, elasticity of substitution, production vibrations, production vibrations, looguant curves, elasticity of substitution, market, more production of the control of the contro								
supply carve, price and income elasticities, theory of consumer behaviour, indifference curve, utility and convexity functions (clob-Douglas, CIS), concervity and convexity functions (clob-Douglas, CIS), concervity and convexity functions, under the consumer equilibrium. Michael and substitution fetce, production functions, isosparial curves, edisticity of substitution of extra production functions, isosparial curves, edisticity of substitution cost, returns to soile, short-run and inger un costs. Micro Economic Analysis in Perfectly competition market, monopoly, oligopoly, monopolistic competition, market, monopoly, oligopoly, monopolistic competition, and consumer co			, and the second					
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malayisi in utility functions, indice tutility and expenditure functions, budget inconsumer equilibrium, Hicks and Suttavil income and substitution effect, production with minimum cost, returns to scale, short run and long-run costs, returns to scale, scale, short run and long-run costs, run co			, , , , , , , ,					
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consumer equilibrium, Hicks and substitution effect, production functions, focupant curves, elasticity of substitution, production functions, focupant curves, elasticity of substitution, production with minimum cost, returns to scale, short-runa dilognaments, and		icro Economic Analysis I	expenditure functions, budget	6	3	0	3	EXC43024012020
and slutisty income and substitution effect, production functions, isoquant curves, elasticity of substitution, production with minimum cost, returns to scale, shortrun and long-run costs, elasticity or substitution, production with minimum cost, returns to scale, shortrun and long-run costs, short run and long-run costs, elasticity competition market, incomplete competition market, monopoly, eligopoly, monopolistic competition, emerate acualithium and competition, and competit			line, optimization, changes in					
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incomplete competition market, monopoly, oligopoly, monopolistic competition, general equilibrium and monopolistic competition, general equilibrium and social monopolistic competition, general equilibrium and consumption, Aggregate demand, Aggregate supply, Monetary policy, Fiscal policy, Inflation, Unemployment, Business cucles. Stabilation solicide in this course, metatonal and international level, is to be analysed, together with the Macroeconomic Analysis II examined in the course of events on topics of current economic admarked, together with the survey assimined in the course of events on topics of current economic admarked, together with the survey assimined in the course of events on topics of current economic admarked, together with the survey assimined in the course of events on topics of current economic admarked to the course of events on topics of current economic admarked to the course of events on topics of current economic admarked to the course of events on topics of current economic admarked to the course of events on topics of current economic accommic marked to the course of events on topics of current economic accommic marked to the course of events on topics of current economic accommic current economic cu	l na:	icro Economic Analysis II		- 6	2	0	2	EVC42024022020
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monopolist, competition, monopolist, competition, monopolist, competition, general acuillarium and conomics investment, consumption, Agregate demand, Agregate supply, Monetary policy, Fiscal policy, Inflation, Unemployment, Business cucles, Stabilation solicies in this course, macro-economic issues and practices by examining the mational and international level, is to be analysed, together with the numeric variable into. Also examined in the course of events on topic of current economic and macroeconomic performance evaluated along with suggestions for ways to Markets exchange rate regime and consumer Theory, Producer Theory, Costs, International Money Markets exchange rate regimes and economic crises are also covered. All students will have the change of the consumer of			·					
monopolistic competition, general equilibrium and Macroeconomic Analysis In Short-run analysis in G 3 0 3 EXC43024032020 Conomics, Investment, Consumption, Aggregate supply, Monetary policy, Fiscal policy, Inflation, Unemployment, Business cudes. Stabilation and international levels, to be analysed, Logether with the Macroeconomic Analysis II numeric variable litor. Also examined in the course of events on topics of current economic and macroeconomic performance evaluated along with suggestions for ways to Advanced Micro Economic Supply and Demand, Consumer Theory, Costs, Theory Costs, International levels of the Consumer Theory, Costs, International Money This course covers the foreign exchange rate regimes and economic crises are also covered. All students will have the analysis and interest rates, and international francial globalization and economic Crises are also covered. All students will have the analysis and interest rates, and international Minancial management Advanced Macroeconomic Consumption and interest rates, and international Minancial management Consumption and Monoteava Consumpt								
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economics, Investment, Consumption, Aggregate demand, Aggregate supply, Monetary policy, Fiscal policy, Inflation, Unemployment, Business orders. Shalitarion audiciae In this course, macro- economic Sues and practices by examining the national and international levely is to be analysed, together with the Macroeconomic Analysis II Advanced Micro Economic perior formance evaluated along with suggestions for ways to be analysed, together with the macroeconomic Analysis II Advanced Micro Economic Supply and Demand, Consumer Theory, Producer Theory, Costs, International Money This course overs the foreign exchange rate regimes and foreign exchange rate regimes. Financial globalization and economic crises are also covered. All students will have the Advanced Macroeconomic Captal markets, efficient markets, derivative markets, financial students will have the financial macroeconomic Consumption and investment, Inflancial macroeconomic Inflancial macroeconomic Consumption and investment, Theory Theory, Costs, Inflancial macroeconomic Consumption and investment, Inflancial macroeconomic Consumption and Consumption and Consumption Consumption and Consumption and Con								
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	Seljuks of Turkey	The political history, social and cultural structure of the Seljuq Sultanate of Turkey from its foundation to its dissolution, the Seljukid State before the Battle of Manzikert and Turkish settlements in Anatolia after the Manzikert; Beyliks (Danishmends, Mengujekids, Saltukids, Artuqids, Ahlatshahs); Foundation of Seljuq Sultanate of Turkey; Sultans of Seljuq Sultanate of Turkey and socioeconomic, cultural, domestic& international political developments in their periods; the Crusades and the	4	3	0	3	EXC43071032020
History	Turkoman Principalities in Anatolia	The political history, social and cultural structure of the Turkoman Principalities from their foundation to its dissolution, and socioeconomic, cultural, domestic& international political developments in their periods; Political and cultural history of the Karamanids, Germiyanids, Menteşe, Sarukhanids, Karasids, Jandarids, Hamidids, Teke, Eretnids, Sahib Ataids,	4	3	0	3	EXC43071042020
	Comparative World Literature II	Comparative Literature as literary theory and as academic practice. Nineteenth-century background and the rise of "literary studies"; traditional concepts of influence, periods, themes, genres, "extraliterary" relations, translation studies, and their development in modern theory. Questions of textuality, canonicity, cultural identity, the politics of crosscultural literary images,	5	3	0	3	EXC43071052020
	Comparative World Literature I	Comparative Literature as literary theory and as academic practice. Nineteenth-century background and the rise of "literary studies"; traditional concepts of influence, periods, themes, genres, "extraliterary" relations, translation studies, and their development in modern theory. Questions of textuality, canonicity, cultural identity, the politics of crosscultural literary images,	5	3	0	3	EXC43071062020
Turkish Language and Literature	Popular Culture Research Methods in Social Sciences	Turkey in the Republican era of socio-cultural movement of modernization, economic and political factors will learn. The basis of theorical background which will be formed for social researches, qualitative and quantitative research	5	3	0	3	EXC43077012020 EXC43077022020
	FINANCIAL DATA ANALYSIS	planning, sampling theory, data collection, measurement and evaluation report writing. The course builds on the fundamentals of financial data analysis and addresses statistical tools and techniques useful in applied research. The aim of the course is to explain the statistical bases of financial models and to discuss the assumptions of these	6	3	0	3	EXC43004142021

	TAXATION OF MONEY	It is aimed to examine the	6	3	0	<u> </u>	EXC43004152021
	AND CAPITAL MARKETS	economic effects of the	ľ			ľ	LXC43004132021
	SECURITIES	taxation of capital market					
		instruments, institutions and					
		To explain portfolio					
		management by giving					
		information about financial					
Banking and Finance –		markets, investment tools. To					
Accounting and		examine the concept of					
Finance		portfolio management with					
	Securities Analysis and	information about different					
	Portfolio Management	investment instruments in the	6	3	0	3	EXC43004082020
	T Ortiono ivianagement	light of developments in the					
		financial markets. Transferring					
		the subject to the student and					
		reinforcing the issues with					
		mutual discussions. Portfolio is					
		analyzed with Modern					
	Advanced Accounting	In this course, it is aimed to	6	3	0	3	EXC43004122020
	Applications	reinforce the issues related to	ľ				EXC45004122020
	Аррисаціонз	reporting of financial					
		statement items in financial					
		statements within the					
		framework of IAS / IFRS and					
		SMF FRS with detailed					
	Accounting Period	What is required to be done	6	3	0	3	EXC43004132020
	Applications	for the preparation of financial					
		statements is to examine the					
		end-of-period applications					
		within the framework of					
		accounting theory, principles,					
		standards and related legal					