

**DEPARTMENT OF BIOLOGY  
(BİYOLOJİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFBI 601	Gene Cloning	3 0 3	7,5
EFBI 602	Estuarine Biology	3 0 3	7,5
EFBI 603	Aquatic Ecosystem	3 0 3	7,5
EFBI 604	Ecosystem of Blacksea Region of Turkey	3 0 3	7,5
EFBI 605	Biochemical Ecology	4 0 4	7,5
EFBİ 621	Fish Ecology	3 0 3	7,5
EFBİ 631	Fish Fauna of Turkey	3 0 3	7,5
EFBİ 638	Age Determination Methods of Fishes	3 0 3	7,5
EFBİ 646	Fish Biology	3 0 3	7,5
EFBI 670	Pollution of Inland Water	2 0 2	7,5
EFBİ 692	Fishing Methods	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFBI 701	Advanced Molecular Genetics	3 0 3	7,5
EFBI 702	Herbivore Plant Interactions	4 0 4	7,5

**DEPARTMENT OF PHYSICS  
(FİZİK ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFFI 601	Mathematical Methods in Physics I	4 0 4	7,5
EFFI 603	Quantum Mechanics I	4 0 4	7,5
EFFI 605	Electron Spin Resonance I	4 0 4	7,5
EFFI 607	Nuclear Physics I	4 0 4	7,5
EFFI 617	Molecular Symmetry I	4 0 4	7,5
EFFI 635	Radiation Sensing and Measurement I	3 0 3	7,5
EFFI 636	Radiation Sensing and Measurement II	3 0 3	7,5
EFFI 638	Quantum Information Theory	3 0 3	7,5
EFFI 641	Scientific Research Methods and Ethics	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFFI 706	Nuclear Structure Theory	4 0 4	7,5
EFFI 711	Nuclear Reactions	4 0 4	7,5
EFFI 713	Crystallography I	4 0 4	7,5
EFFI 714	Crystallography II	4 0 4	7,5
EFFI 717	Fourier Transform NMR I	4 0 4	7,5
EFFI 718	Fourier Transform NMR II	4 0 4	7,5
EFFI 729	Radiation Physics and Radiation Protection	4 0 4	7,5
EFFI 732	Magnetic Resonance Quantum Information Theory I	4 0 4	7,5
EFFI 733	Magnetic Resonance Quantum Information Theory II	4 0 4	7,5

**DEPARTMENT OF CHEMISTRY  
(KİMYA ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFKİ 603	ChromatographyI	3 0 3	6
EFKİ 606	Advanced Electrochemistry	2 0 2	6
EFKİ 610	Crystal Chemistry	2 0 2	6
EFKİ 615	Electronic forChemist	3 0 3	6
EFKİ 616	Quantum Chemistry	3 0 3	6
EFKİ 627	Solvent Effects in Organic Reactions	2 0 2	6
EFKİ 645	Electrochemical Sensors	3 2 4	6
EFKİ 653	Scientific Research Methods and Ethics	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFKİ 707	X-Ray Diffraction Method	2 0 2	6
EFKİ 717	Electron Microscopy Techniques	2 0 2	6
EFKİ 719	Voltametric Techniques	2 0 2	6
EFKİ 733	Flow – Injection Analysis I	2 2 3	6
EFKİ 724	Acidity Functions	2 0 2	6
EFKİ 725	Organic Polarography	2 2 3	6

**DEPARTMENT OF STATISTICS  
(İSTATİSTİK ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EIST 601	Statistical Theory I	3 0 3	7,5
EIST 602	Statistical Theory II	3 0 3	7,5
EIST 605	Regression Theory and Methods	3 0 3	7,5
EIST 612	Simulation Techniques	3 0 3	7,5
EIST 623	Renewal, and Reliability theory	3 0 3	7,5
EIST 639	Advanced Time Series Analysis	3 0 3	7,5

**DEPARTMENT OF MATHEMATICS  
(MATEMATİK ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFMA 603	Complex Analysis	3 0 3	7,5
EFMA 604	Topology I	3 0 3	7,5
EFMA 605	Topology II	3 0 3	7,5
EFMA 606	Real Analysis	3 0 3	7,5
EFMA 607	Functional Analysis I	3 0 3	7,5
EFMA 608	Functional Analysis II	3 0 3	7,5
EFMA 615	Fluid Mechanics I	3 0 3	7,5
EFMA 616	Fluid Mechanics II	3 0 3	7,5
EFMA 617	Mathematical Modeling of Fluid Mechanics I	3 0 3	7,5
EFMA 618	Mathematical Modeling of Fluid Mechanics II	3 0 3	7,5
EFMA 622	Differential Equations II	3 0 3	7,5
EFMA 631	Partial Differential Equations	3 0 3	7,5
EFMA 632	Equations Of Mathematical Physics	3 0 3	7,5
EFMA 636	Introduction to Numerical Analysis I	3 0 3	7,5
EFMA 651	Topological Vector Spaces	3 0 3	7,5
EFMA 652	Fourier Analysis	3 0 3	7,5
EFMA 658	Introduction To Numerical Analysis II	3 0 3	7,5
EFMA 659	Computer Based Differential Equation Solutions	3 0 3	7,5
EFMA 676	Scientific Research Methods and Ethics	3 0 3	7,5
EFMA 677	Entrepreneurship and Innovation	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EFMA 703	Selected Topics in the Analysis I	3 0 3	7,5
EFMA 707	Topological Vector Spaces	3 0 3	7,5
EFMA 704	Selected Topics in the Analysis II	3 0 3	7,5
EFMA 705	Harmonic Analysis	3 0 3	7,5
EFMA 710	Banach Algebras	3 0 3	7,5
EFMA 721	Theory Of U-Operators I	3 0 3	7,5
EFMA 722	Theory Of U-Operators II	3 0 3	7,5
EFMA 723	Topological Groups	3 0 3	7,5
EFMA 726	Non-Linear Differential Equations	3 0 3	7,5
EFMA 727	Numerical Analysis	3 0 3	7,5
EFMA 743	Difference Equations	3 0 3	7,5
EFMA 753	Heat and Mass Transfer	3 0 3	7,5
EFMA 730	Selected Topics in Number Theory	3 0 3	7,5
EFMA 754	Computer Aided Fluid Mechanics	3 0 3	7,5
EFMA 766	Projective Differential Geometry	3 0 3	7,5

**DEPARTMENT OF ENVIRONMENTAL ENGINEERING  
(ÇEVRE MÜHENDİSLİĞİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>ECTS</b>
EFCM 607	Water Treatment Technology	3 0 3	7,5
EFCM 609	Fundamentals of Environmental Engineering I	3 0 3	7,5
EFCM 611	Soil and Groundwater Pollution	3 0 3	7,5
EFCM 616	Enhanced Remediation of Contaminated Sites	3 0 3	7,5
EFCM 624	Remediation of Contaminated Sites	3 0 3	7,5
EFCM 643	Membrane Processes	3 0 3	7,5
EFCM 644	Industrial Pollution, Control and Treatment	3 0 3	7,5
EFCM 645	Disposal and Processing of Treatment Sludges	3 0 3	7,5
EFCM 646	Solid Waste Disposal Techniques	3 0 3	7,5
EFCM 613	Scientific Research Methods and Ethics	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>ECTS</b>
EFCM 701	Physicochemical Treatment	3 0 3	7,5
EFCM 702	Advanced Techniques in Water Treatment	3 0 3	7,5
EFCM 703	Industrial Waste Management	3 0 3	7,5
EFCM 705	Biological Treatment Processes	3 0 3	7,5
EFCM 709	Membrane Technology and Applications in Gas Treatment	3 0 3	7,5
EFCM 711	Industrial Wastewater Treatment	3 0 3	7,5
EFCM 717	Principles of Environmental Engineering II	3 0 3	7,5
EFCM 718	Ecological Risk Assessment for Contaminated Soils	3 0 3	7,5
EFCM 719	Special Issues in Environmental Technology	3 0 3	7,5
EFCM 721	Pollution Prevention Techniques	3 0 3	7,5
EFCM 725	Wastewater Treatment Plants Modelling Techniques	3 0 3	7,5
EFCM 738	Composting Techniques	3 0 3	7,5

**DEPARTMENT OF CIVIL ENGINEERING  
(İNŞAAT MÜHENDİSLİĞİ ANABİLİM DALI)  
MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>ECTS</b>
EFİM 605	Fracture Mechanics of Engineering Materials	3 0 3	7,5
EFİM 607	Plates and Shells	3 0 3	7,5
EFİM 609	Stability Theory of Structures	3 0 3	7,5
EFİM 610	Finite Element Method of Structural Analysis I	3 0 3	7,5
EFİM 617	Earthquake Engineering	3 0 3	7,5
EFİM 621	Advanced Soil Mechanics	3 0 3	7,5
EFİM 624	Concrete Quality Control	3 0 3	7,5
EFİM 625	Reinforced Concrete Silos	3 0 3	7,5
EFİM 629	Shallow Foundations	3 0 3	7,5
EFİM 632	Cabled Systems	3 0 3	7,5
EFİM 643	Behavior of Structures under Blast Effect	3 0 3	7,5
EFİM 651	Sediment Transport	3 0 3	7,5
EFİM 655	Statistical Methods in Hydrology	3 0 3	7,5
EFİM 657	Optimization Techniques in Structures	3 0 3	7,5
EFİM 658	Design of Composite Structures	3 0 3	7,5
EFİM 659	Structural Dynamics	3 0 3	7,5
EFİM 660	Finite Element Method in Structural Analysis II	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>ECTS</b>
EFİM 702	Matrix Methods in Structural Analysis	3 0 3	7,5
EFİM 705	Reinforced Concrete Liquid Tanks	3 0 3	7,5
EFİM 706	Introduction to Composite Materials Mechanics	3 0 3	7,5
EFİM 708	Fracture Mechanics of Concrete and Size Effect	3 0 3	7,5
EFİM 713	Suspended Bridges	3 0 3	7,5
EFİM 718	Geotechnical Earthquake Engineering	3 0 3	7,5
EFİM 722	System Identification in Structural Dynamics	3 0 3	7,5
EFİM 724	Structure Dynamics of the Seismic Isolated Structures	3 0 3	7,5
EFİM 726	Reservoir Theory	3 0 3	7,5
EFİM 729	Soil Improvement	3 0 3	7,5
EFİM 730	Nonlinear Finite Elements Method	3 0 3	7,5

**DEPARTMENT OF MECHANICAL ENGINEERING  
(MAKİNA MÜHENDİSLİĞİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EMMB 601	Advanced Thermodynamics	3 0 3	7,5
EMMB 602	Advanced Fluid Dynamics	3 0 3	7,5
EMMB 612	Combustion Technology	3 0 3	7,5
EMMB 617	Research and Experimental Techniques for Vehicle Engines	3 0 3	7,5
EMMB 621	Alternative Energy Sources	3 0 3	7,5
EMMB 629	Calculation and Development of Internal Combustion Engines	3 0 3	7,5
EMMB 630	Alternative Fuels for Internal Combustion Engines	3 0 3	7,5
EMMB 635	Surface Engineering	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EMMB 714	Compressible Fluid Mechanics	3 0 3	7,5
EMMB 717	Engine Thermodynamics	3 0 3	7,5
EMMB 718	Gas Turbines and Its Thermodynamics	3 0 3	7,5
EMMB 719	Boundary Layer Theory	3 0 3	7,5
EMMB 720	Heat Conduction	3 0 3	7,5

**DEPARTMENT OF HORTICULTURE  
(BAHÇE BİTKİLERİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EBAH 605	Breeding for Temperate Fruit	2 2 3	7,5
EBAH 622	New Techniques in Production Fruit Nursery Trees	2 2 3	7,5
EBAH 623	Pruning and Training in Temperate Fruit Trees	2 2 3	7,5
EBAH 630	Advances in Stone and Pome Fruit Species	3 0 3	7,5
EBAH 632	Organic Ornamental Plants	3 0 3	7,5
EBAH 648	Cultivated Vacciniums	2 2 3	7,5
EBAH 645	Growing Techniques of Cut Flowers	2 2 3	7,5
EBAH 646	Outdoor Ornamental Plants	2 2 3	7,5
EBAH 627	Ecology of Horticultural Plants	3 0 3	7,5
EBAH 647	Indoor Ornamental Plants	2 2 3	7,5
EBAH 653	Scientific Research Methods and Ethics	3 0 3	7,5
EBAH 654	Entrepreneurship and Innovation	2 0 2	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EBAH 719	Ampelography	2 2 3	7,5
EBAH 721	Postharvest Physiology of Cut Flowers	3 0 3	7,5
EBAH 722	Physiology of Flower Bulbs	3 0 3	7,5

EBAH 724	Advanced Fruit Tree Physiology	3 0 3	7,5
EBAH 725	Special Propagation Methods in Fruit Trees	3 0 3	7,5
EBAH 726	Nut Crops Breeding	3 0 3	7,5
EBAH 702	Plant Growth Regulators in Horticultural Plants	3 0 3	7,5
EBAH 706	Stress Physiology of Horticultural Plants	3 0 3	7,5
EBAH 708	Rootstock Breeding in Fruit Growing	3 0 3	7,5

**DEPARTMENT OF PLANT PROTECTION  
(BİTKİ KORUMA ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EZBK 603	Systematics of Weeds	2 2 3	6
EZBK 606	Application Principles of Herbicides	2 0 2	6
EZBK 616	Introduction to Acarology	2 2 3	6
EZBK 618	Introduction to Nematology	2 0 2	6
EZBK 620	Plant Parasitic Nematodes and Their Control Methods	3 0 3	6
EZBK 622	Applied Acarology	2 2 3	6
EZBK 625	Laboratory Methods Used Plant Pathogen Fungi	2 2 3	6
EZBK 629	Diagnostic Methods Used for Plant Pathogenic Viruses	2 2 3	6
EZBK 636	Analysis of Pest Control	3 0 3	6
EZBK 637	Probit Analysis	3 0 3	6
EZBK 652	Scientific Research Methods and Ethics	3 0 3	6
EZBK 653	Entrepreneurship and Innovation	2 0 2	6

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EZBK 701	Molecular Plant Virology	3 0 3	6
EZBK 702	Germination Ecophysiology of Weed Seeds	3 0 3	6
EZBK 708	Agricultural Acarology	2 2 3	6
EZBK 711	Biology and Ecology of Weeds	3 0 3	6
EZBK 719	Mycotoxins	2 2 3	6
EZBK 729	Scientific Research Methods and Ethics	3 0 3	6

**DEPARTMENT OF FIELD CROPS  
(TARLA BİTKİLERİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETAB 601	Natural Gen Sources	1 2 2	7,5
ETAB 604	Plant Biotechnology	2 2 3	7,5
ETAB 638	Establishment of Lawn	2 2 3	7,5
ETAB 608	Agricultural Problems of Field Areas in Turkey	3 0 3	7,5
ETAB 605	Crop Rotation Techniques in Field Areas	3 0 3	7,5
ETAB 631	New Natural Fodder Sources	3 0 3	7,5
ETAB 634	Weed Control in Pastureland and Rangeland	3 0 3	7,5
ETAB 610	Intercropping Systems	3 0 3	7,5
ETAB 622	Preparation of Scientific Presentation and Presentation Methods	2 2 3	7,5
ETAB 602	Ecologic Principals of Plant Production	2 0 2	7,5
ETAB 639	Medical, Smelly and Poisonous Plants in the Natural Flora	3 0 3	7,5
ETAB 646	Broad Leaf Tobacco Farming and Techonology	3 0 3	7,5
ETAB 620	Computer Using at Agriculture Researces	3 0 3	7,5
ETAB 623	Crossing Techniques in Breeding of Crop Plant	3 0 3	7,5
ETAB 660	Scientific Research Methods and Ethics	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETAB 701	Advanced Plant Breeding	3 0 3	7,5
ETAB 703	Cell And Tissue Culture	2 2 3	7,5
ETAB 707	Agricultural Biodiversity	3 0 3	7,5
ETAB 727	Seed Techniques in Fodder Crops	3 0 3	7,5
ETAB 728	Toxic Substances In Forage Crops	3 0 3	7,5
ETAB 730	Silage Plants and Silage Technique	3 0 3	7,5
ETAB 733	Establishment and Utitization Systems of Artifical Pastures	3 0 3	7,5
ETAB 734	Assesment of Rangeland Condition	2 2 3	7,5
ETAB 735	Biological Nitrogen Fixation	2 2 3	7,5
ETAB 738	Antinutritional Factors Existing in Food Grain Legumes	3 0 3	7,5

**DEPARTMENT OF AGRICULTURAL BIOTECHNOLOGY  
(TARIMSAL BİYOTEKNOLOJİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETBT 604	Gel Electrophoresis Techniques	2 2 3	7,5
ETBT 607	Population Genetics	2 2 3	7,5
ETBT 609	Cloning Methods	2 0 2	7,5
ETBT 618	Seed Science And its Technology	2 2 3	7,5
ETBT 620	Genetically Modified Organisms and Biosafety	3 0 3	7,5
ETBT 626	Protein Purity Techniques	2 2 3	7,5
ETBT 632	Tissue Culture Methods	2 2 3	7,5
ETBT 619	Crossing Techniques at Breeding of Cultural Plants	2 2 3	7,5
ETBT 614	Statistical Analysis Methods in Genetic Studies	2 2 3	7,5
ETBT 601	Biotechnology in Genetics	2 2 3	7,5
ETBT 605	General Cytogenetics	2 2 3	7,5
ETBT 612	Sterilization	2 0 2	7,5
ETBT 618	Seed Science and Technology	2 2 3	7,5
ETBT 635	Scientific Research Methods and Ethics	3 0 3	7,5

**DEPARTMENT OF SOIL SCIENCE AND PLANT NUTRITION  
(TOPRAK BİLİMİ VE BİTKİ BESLEME ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETOP 603	Soil Analysis Techniques	2 2 3	6
ETOP 610	Soil Microbiology	3 2 4	6
ETOP 611	Advanced Soil Physics	2 2 3	6
ETOP 612	Manure and Waste Management	2 0 2	6
ETOP 613	Soil Biochemistry	3 0 3	6
ETOP 623	Soil Quality and Evaluation	2 0 2	6
ETOP 624	Land Evaluation	2 2 3	6
ETOP 625	Soil Survey and Mapping	2 2 3	6
ETOP 626	Soil Classification Systems	2 0 2	6
ETOP 627	Remote Sensing (RS) and Geographic Information System(GIS) in Soil Science	2 2 3	6
ETOP 629	Scientific Research Methods and Ethics	3 0 3	6

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETOP 707	Micropedology	3 0 3	6
ETOP 709	Experimental Soil Physics	2 2 3	6
ETOP 711	Soil Organic Matter	2 2 3	6
ETOP 712	Residues and Waste Management	3 0 3	6
ETOP 713	Research Methods in Soil Microbiology and Biochemistry	2 2 3	6
ETOP 715	Soil Physical Chemistry	3 0 3	6
ETOP 717	Organic Soils and Management	2 0 2	6
ETOP 719	Soil Enzymes	3 0 3	6

ETOP 721	Advanced Soil Mechanics	2 0 2	6
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**DEPARTMENT OF AGRICULTURAL ECONOMICS  
(TARIM EKONOMİSİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETEB 602	Research Methods in Agricultural Economics	3 0 3	7,5
ETEB 604	Computer Applications in Agricultural Economics Research	3 0 3	7,5
ETEB 606	Linear Programming	2 2 3	7,5
ETEB 607	Quantifying and Managing Risk in Agriculture	3 0 3	7,5
ETEB 611	Environmental and Natural Resources Economics	3 0 3	7,5
ETEB 614	Agricultural Development Policy	3 0 3	7,5
ETEB 617	Agricultural Trade Policies	3 0 3	7,5
ETEB 618	Agricultural Knowledge and Information Systems	3 0 3	7,5
ETEB 621	Microeconomics Analysis in Agriculture	3 0 3	7,5
ETEB 622	Scientific Research Methods and Ethics	3 0 3	7,5
ETEB 623	Entrepreneurship and Innovation	3 0 3	7,5

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETEB 702	Multivariate Statistics Techniques	2 2 3	7,5
ETEB 704	Marketing Research	3 0 3	7,5
ETEB 707	Quantitative Analysis for Decision Making	2 2 3	7,5
ETEB 708	Food and Agricultural Policy Analysis	2 2 3	7,5
ETEB 713	Rural Women Entrepreneurship	3 0 3	7,5
ETEB 714	Economics of Organic Farming	3 0 3	7,5
ETEB 719	Computer Applications in Econometrics	3 0 3	7,5
ETEB 717	Rural Extension Approaches	3 0 3	7,5
ETEB 720	Macroeconomics Analysis in Agriculture	3 0 3	7,5

**DEPARTMENT OF AGRICULTURAL MACHINERY  
(TARIM MAKİNALARI ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETMB 611	Mechanization of Environmental Control in Animal Houses	2 2 3	6
ETMB 612	Mechanization of Rich Textured Feed Production	2 2 3	6
ETMB 613	CAD/CAM Applications in Agricultural Machinery Design	3 0 3	6
ETMB 614	Computer Programming and Applications in Agriculture	3 0 3	6
ETMB 615	Product Safety and CE Marking in Agricultural Machinery	3 0 3	6
ETMB 616	Safety in Agricultural Machinery	3 0 3	6
ETMB 617	Health and Safety in Agriculture	3 0 3	6
ETMB 622	Measurement and Evaluation in Machine Techniques I	3 0 3	6
ETMB 623	Basic Concepts in Agricultural Machinery and Technological Engineering I	3 0 3	6

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETMB 702	Physical and Mechanical Properties of Biological Materials	3 0 3	6
ETMB 706	Climatization in Greenhouses	2 2 3	6
ETMB 707	Mechanization Systems in Poultry Breeding	2 2 3	6
ETMB 711	Alternative Technological Developments for Evaluation of Agricultural Residues	3 0 3	6
ETMB 717	Measurement and Evaluation in Machine Techniques II	3 0 3	6
ETMB 718	Basic Concepts in Agricultural Machinery and Technological Engineering II	3 0 3	6

**DEPARTMENT OF AGRICULTURAL STRUCTURES AND IRRIGATION  
(TARIMSAL YAPILAR VE SULAMA ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
ETYS 610	Testing and Evaluation Methods in Irrigation Engineering	3 0 3	7,5
ETYS 626	Fuzzy Logic Applications in Agriculture	2 2 3	7,5
ETYS 624	Surface Irrigation Systems Planning	3 0 3	7,5
ETYS 625	Applications of Artificial Neural Network in Agriculture	2 2 3	7,5

**DEPARTMENT OF ANIMAL SCIENCE  
(ZOOTEKNİ ANABİLİM DALI)**

**MASTER OF SCIENCE (MSc) COURSES OFFERED  
(YÜKSEK LİSANS DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EZOT 615	Duck and Goose Production	2 0 2	6
EZOT 621	Rumen Metabolism	3 0 3	6
EZOT 627	Digestive Physiology in Ruminants	3 0 3	6
EZOT 630	Broiler Production and Breeding	2 2 3	6
EZOT 636	Turkey Production	3 0 3	6
EZOT 649	Least Cosys Feed Formulation in Poultry	3 0 3	6
EZOT 650	Reproductive Endocrinology	3 0 3	6
EZOT 659	Nutrition of Quail, Partidge, Turkey, Duck, Goose	3 0 3	6
EZOT 662	Calf Raising Technics	2 0 2	6
EZOT 669	Linear Description Methods in Dairy Cattle Breeding	2 2 3	6
EZOT 674	Regression and Correlation Analysis	3 0 3	6
EZOT 675	Computer Applied Experimental Design and Analyze	3 0 3	6
EZOT 678	Determination of Sample Size in Agricultural Researches	3 0 3	6
EZOT 694	Quality Analysis of Milk	2 2 3	6

**DOCTOR OF PHILOSOPHY (PhD) COURSES OFFERED  
(DOKTORA DERSLERİ)**

Course Code	Course Name	Credit	ECTS
EZOT 701	Egg and Egg Technology	3 0 3	7,5
EZOT 703	Quail Pheasant and Game Bird Production	3 0 3	7,5
EZOT 709	Instrumental Insemination in honeybee	2 2 3	7,5

EZOT 719	Vitamin and Mineral Metabolism in Poultry	3 0 3	7,5
EZOT 720	Environment and Its Monitoring in Cattle	2 2 3	7,5
EZOT 740	Poultry Welfare	3 0 3	7,5
EZOT 752	Multivariate statistics	3 0 3	7,5
EZOT 757	Permutation Tests	3 0 3	7,5