

MUNZUR UNIVERSITY
TUNCELİ VOCATIONAL SCHOOL / ORGANIC AGRICULTURE DEPARTMENT
2018-2019 ACADEMIC YEAR - LIST OF COURSE

1. TERM

Code/ Credits	Course	Semester Winter/ Spring	Contents	Contact Details Of Lecturer	Department
TRD101/2	Turkish Language I	Winter	The importance of language and language, the birth, spread and structure of languages; Turkish language and its term, its development, its place among other languages and its fields; Turkish written language and its features; Phonetic and morphological structure, Turkish grammar, vocabulary, sentence, paragraphs, reading and understanding, vocabulary and types, properties and use in sentences, spelling and punctuation marks.	Lect. Mehmet DEMİRBAĞ mdemirbag@munzur.edu.tr Tel:05303236783	Organic Agriculture
AİT101/2	Ataturk's Principles and History of Turkish Revolution I	Winter	Concepts, general situation before and after World War I, conditions preparing Turkish Revolution, National Independence War and its consequences, Atatürk's life, personal characteristics and various aspects, the abolition of the Sultanate and the proclamation of the Republic	Lect. Adem KIZKAPAN akizkapan@munzur.edu.tr	Organic Agriculture
YDİ101/2	English I	Winter	Time clauses, what-who-where (wh) questions, helping verbs (am,is,are), Countries and cities, present continuous tense, many and how much, prepositions,have-hasgot, how many, there is-there are, quiz	Lect. Çilem kaya ckaya@munzur.edu.tr 0428 213 17 94	Organic Agriculture
ENF101/2	Computer	Winter	Definition of computer, history, computer hardware, internal hardware. File operating system, system files, configuration files, file (file) presentation, directory (directory) concept of the presentation. Batch files edit command (Edit editor) and international use of file issues.	Lect. Kürşat Arslan kursatarslan@munzur.edu.tr 0428 213 17 94	Organic Agriculture
MAT101/3	Maths	Winter	Numbers, variable and function, limit in numbers and functions, some special limits, continuity in functions and differential, trigonometry and trigonometric functions, exponential function. Logarithmic functions, hyperbolic functions, applications of derivative (Extremum, tangent normal equations, six normal lengths, applications of integral (area, volume, center of gravity, moment	Lect. Muhlis Çetin muhlisçetin@munzur.edu.tr 0428 213 17 94	Organic Agriculture

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			of inertia), partial derivative.		
TTO101/6	Organic Animal Production -I	Winter	Animal's status in Turkey, concepts of species and breeds farm animals, farm animal reproduction and fertility, breeding and feeding practices, record keeping and evaluation techniques	Lect. Onur KIRBOĞA onurkimboga@munzur.edu.tr Tel:05459243294	Organic Agriculture
TTO103/6	Organic Herbal Production -I	Winter	Recognize and classify the products produced in the field of horticulture and horticulture. Giving information about cereal farming, industrial crops, viticulture, vegetables and fruit growing and making applications for recognition. recognition of applications for general crop production. tillage techniques. seed bed preparation. sowing, planting frequency and irrigation methods. disease and weed control in organic plant production. application of organic fertilizers to selected plant species.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture
TTO109/4	Food Chemistry and Biochemistry	Winter	History of food chemistry and biochemistry, chemical bonds, water chemistry, water activity, pH, carbohydrates, carbohydrates in foodstuffs, amino acids, classification of proteins, denaturation of proteins, lipids, classification of fatty acids, glycerides, degradation reactions in lipids, enzymes, classification of enzymes and its nomenclature.	Lect. Nedim GÜRLER nedimgurler@munzur.edu.tr Tel:05377354824	Organic Agriculture
TTO107/3	Food Biology	Winter	Living concept and chemistry, organic compounds, cell, vital events in the cell, classification of biodiversity, structure of microorganisms, evolution.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture
2. TERM					
Code/ Credits	Course	Semester Winter/Sp ring	Contents	Contact Details Of Lecturer	Department

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TRD102/2	Turkish Language II	Spring	Oral and written expression and features, composition arrangements, grammar, correct use of spelling and punctuation rules, words and spelling guide, principles and techniques of speech and discussion, verbal and written expression disorders, petition used in daily life, report, promissory note, invitation, telegraph etc. articles; Analyzes and critiques about selected examples from Turkish literature, reading and examination of texts, methods of developing a writing writing, review of references and bibliography.	Lect. Mehmet DEMİRBAĞ mdemirbag@munzur.edu.tr Tel:05303236783	Organic Agriculture
AİT102/2	Ataturk's Principles and History of Turkish Revolution II	Spring	Atatürk's reforms and aims (political, legal, educational and cultural, social and economic revolutions), Atatürk's principles (republicanism, nationalism, populism, secularism, statism, revolutionism), complementary principles, the characteristics of the Turkish revolution, the universal values of the Turkish revolution.	Lect. Adem KIZKAPAN akizkapan@munzur.edu.tr	Organic Agriculture
YDİ102/2	English II	Spring	Using be and have, Present Progressive tense ,Past Progressive tense, Nouns s lome-any, Some special verbs and expressions, Simple past tense, Expressing ability, Nouns pronouns, Making comparisions, Superlative forms, Presert perfect tense, Adjektives, Adverbs	Lect. E.G.SARI	Organic Agriculture
TTO201/6	Organic Animal Production -II	Spring	Organic farming, organic agriculture, organic farming, organic livestock production, organic livestock production, organic beekeeping and aquaculture production, organic poultry and egg production.	Lect. Onur KIRBOĞA onurkimboga@munzur.edu.tr Tel:05459243294	Organic Agriculture
TTO203/6	Organic Herbal Production -II	Spring	Crop production in the importance of Turkey's economy, the definition and classification of plants, overall crop production techniques, tissue culture techniques, plant hormones are discussed in this course.	Lect. Neslihan TAŞAR ntasar@munzur.edu.tr Tel:05073404998	Organic Agriculture
TTO205/4	Ecology	Spring	Definition of ecology and examination topics, environmental factors, ecosystem, classification of living things, species and population terms, intercultural nutrition and life forms, substance cycles, biodiversity.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO207/2	Climate Information	Spring	Definition and properties of the atmosphere, the effect of the atmosphere on the Earth's temperature, forms of energy transmission. relationship between plant and temperature, frost event, air moisture content.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture

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TTO213/2	Plant protection	Spring	What is plant protection science, disease and damage in plants, plant diseases and damage causes, disease symptoms in plants, fungal diseases, bacterial diseases, virus diseases, legal, physical, chemical, biological, biotechnological measures to be taken against plant diseases.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO211/4	Soil Knowledge	Spring	Soil main matter, soil formation, wear, decomposition and merger events, soil characterizing factors, soil profile, soil classification, physical properties of mineral soils, mineral nutrients in soil, soil reaction, soil water, soil organisms, soil organic matter, soil air calcification of soil, organic soils, lime and soils, nitrogen, phosphorus, potassium and micro element of soils.	Lect. Nedim GÜRLER nedimgurler@munzur.edu.tr Tel:05377354824	Organic Agriculture

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Code/Credits	Course	Semester Winter/Spring	Contents	Contact Details Of Lecturer	Department
TTO323/2	Biotechnology	Winter	Introduction to biotechnology, important microorganisms and metabolism of microorganisms, plant and animal cell cultures, fermentation technical principles, basic operations in biotechnology, microbial growth and bio-generation kinetics, microbial biomass production, primary and secondary metabolite production, biotransformations, enzyme production, environmental biotechnology.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture
TTO303/4	Organic Fertilizers and Fertilization	Winter	Historical development of fertilization, causes of fertilizer use, definition and classification of fertilizers, organic fertilizers, nitrogenous, phosphorous and potassium fertilizers, calcium fertilizers, magnesium and sulfur fertilizers, micronutrient fertilizers, compost fertilizers, control of the solubility of fertilizers, factors affecting fertilizer use, soil fertilizer determination of needs.	Lect. Nedim GÜRLER nedimgurler@munzur.edu.tr Tel:05377354824	Organic Agriculture
TTO307/4	Greenhouse-I	Winter	Greenhouse's history, world and Turkey's place in the classification of greenhouses, ecological and economic factors affecting the choice of the location of the greenhouse, the introduction of greenhouse member, planning for the greenhouse.	Lect. Onur KIRBOĞA onurkimboga@munzur.edu.tr Tel:05459243294	Organic Agriculture

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TTO309/4	From Nature, Medicinal and Aromatic Plants	Winter	Introduction of medicinal and aromatic plants, effective substances, grouping, nomenclature of Latin and Turkish, local names, growing places, morphologies. botanical characteristics and culture of medicinal and aromatic plants; climate and soil requirements, sowing-planting times, maintenance and fertilization, harvesting, consumption, used parts of plants, active substances, definition of drugs, use of medicinal plants.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO311/6	Genetic	Winter	Introduction to genetics, cytological principles of heredity, heredity and heredity, gender and gender-dependent characters, gene dependence and fragmentation, population genetics, mutations, genetic engineering.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO313/3	Agricultural Mechanization and Irrigation	Winter	The definition of Irrigation, importance and history, land and water resources potential in Turkey, irrigability condition of the soil, sources of supply of irrigation water, soil water and plant relationships, evapotranspiration, planning principles of irrigation systems, planning of open canals, irrigation scheduling and irrigation system, water distribution methods, nature and classification of irrigation water, irrigation methods, introduction to agricultural mechanization of drainage, energy sources and machinery in agriculture, agricultural mechanization planning of agricultural tractors, soil processing, fertilizer distribution, sowing, mowing, baling, plant protection and maintenance machines.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture
TTO315/2	Seminar	Winter	Features of the seminar, what to pay attention to the preparation of the seminar, how to prepare the presentation, presentations, presentation time and presentation content information about the presentation.	Lect. Nedim GÜRLER nedimgurler@munzur.edu.tr Tel:05377354824	Organic Agriculture
TTO317/2	Organic Agriculture and Animal Health	Winter	Improving the productivity and quality of organic animal production, obtaining healthy products, combating animal diseases, protection of animal health, diagnosis and treatment of diseases and animal breeding.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO319/2	Agricultural Economics and Deontology	Winter	Improving the productivity and quality of organic animal production, obtaining healthy products, combating animal diseases, protection of animal health, diagnosis and treatment of	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture

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			diseases and animal breeding.		
ORG111/3	Botanical	Winter	What is plant, classification of plants, nomenclature in plants, species in plants, endemism, population concepts, properties of open and closed seed plants, root, stem, leaf, fruit and seed characteristics of plants, herbarium techniques.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture

4. TERM

Code/ Credits	Course	Semester Winter/Sp ring	Contents	Contact Details Of Lecturer	Department
TTO401/4	Marketing of Organic Products	Spring	General Information about Marketing, Marketing Functions, Supply, Demand and Elasticity Concepts, Market types and Price formation, Organic Products Marketing.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO403/4	Greenhouse-II	Spring	Practicing of greenhouse cultivation, growing of plant species suitable for the season.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture
TTO405/4	General Principles of Organic Agriculture, Control and Certification	Spring	Existing certification bodies, their operation, control and certification of a product from a first step, and the difference of these products from other products, marketing these products.	Lect. Onur KIRBOĞA onurkimboga@munzur.edu.tr Tel:05459243294	Organic Agriculture
ORG222/4	Plant Physiology	Spring	Plant cell and chemical composition, water, plant-soil relationship, enzymes, photosynthesis, respiration, growth and development of plants, physiology of plants, stress physiology.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture
TTO409/5	Determination Methods of Genetically Modified Organisms	Spring	DNA isolation, RFLP technique, RAPD method, PCR technique, gel electrophoresis, display of DNA and PCR bands.	Lect. Neslihan TAŞAR ntasar@munzur.edu.tr Tel:05073404998	Organic Agriculture
TTO413/4	Enclosure Packaging and Transportation	Spring	Introduction to product conservation techniques, thermal damage and inactivation, effect of ionizing beam, microbial growth at low temperatures, drying, high osmotic pressure and water activity, food storage with low pH, organic acids and esters, modified atmospheres. glass and glass packaging, metal material and metal packaging, plastics and plastic packaging, paper and paper packaging, modified	Lect. Nedim GÜRLER nedimgurler@munzur.edu.tr Tel:05377354824	Organic Agriculture

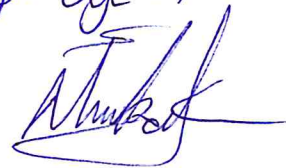
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			atmosphere packaging, transport packaging, packaging of special foods.		
TTO415/2	Organic Vegetable Growing	Spring	Basic principles of organic vegetable growing, control of vegetable diseases and pests with organic methods, production of organic vegetables.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO417/2	Project and Feasibility Report	Spring	Preparation of the final thesis on organic farming.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture
TTO419/2	Organic Agriculture and Forage Crops	Spring	Turkey's present state of forage crops in agriculture, problems and solutions of the general principles of the proposal for forage crops in agriculture, the importance of forage crops, Overview of species, soil and climate requirements, planting and maintenance, used as pasture plants and as green manure crops, pests and diseases.	Lect. Mikail AÇAR mikailacar@munzur.edu.tr Tel:05066728254	Organic Agriculture
TTO421/2	Seed Technologies	Spring	Introduction to seed technologies, seed formation and development, seed chemistry, seed germination, seed viability and vitality tests, seed dormancy, seed life and survival time, seed controls, seed certification.	Lect. Gülçin Beker Akbulut gulcinakbulut@munzur.edu.tr Tel:05445440094	Organic Agriculture

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GİR222/2	Entrepreneurship	Spring	<p>Entrepreneur, entrepreneurship, basic concepts about entrepreneurship, the basis of entrepreneurial thinking, testing of entrepreneurial personality, entrepreneurship process, business idea development and creativity, creative problem solving techniques, innovation, business plan concept and business plan elements (market research), primary and secondary</p> <p>Researching the market using resources, identifying customers, current and future needs, business plan concept and business plan elements (market research), market research using primary and secondary resources, customer identification, current and future needs, business plan concept and business plan elements (marketing the marketing mix (marketing, product, price, distribution, promotion), business plan concept and business plan elements (production (manufacturing / service) plan), production planning, business plan concept and business plan elements (management plan), of San resources management, business plan concept and business plan elements (financial plan), finding financial resources, planning the investment, preparation of financial statements and financial management elements, accounting (budget and cash flow), preparation and presentation of business plan.</p>	<p>Lect. Nida Platin nidaplatin@munzur.edu.tr 0428 213 17 94</p>	Organic Agriculture
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