

MUNZUR UNIVERSITY
TUNCELİ VOCATIONAL SCHOOL / CONSTRUCTION TECHNOLOGY DEPARTMENT
2018-2019 ACADEMIC YEAR- LIST OF COURSES

1.TERM					
Code/ Credits	Course	Semester Winter/ Spring	Contents	Contact Details of Lecturer	Department
AİT 101/2	The Principles of Atatürk and History of Turkish Revolution I	Winter	The content of the course is constituted of the concepts involving Ottoman innovation, developments in Europe, the industrial revolution and the French Revolution, New Ottomans, the Constitution, the Committee of Union and Progress Party, Tripoli and the Balkan Wars, World War I., the period of preparation for the National Independence War, Congresses, the National Pact, Parliament Period, the establishment of national frontiers, and the Treaty of Lausanne.	Lect. Adem KIZKAPAN akizkapan@munzur.edu.tr +905367897257	Applied Construction Technology
TRD 101/2	Turkish Language I	Winter	The content of course is formed by the description of language, the significance and characteristics; the origin of languages, the languages in the world and the classification of languages, the relationship of language-thought-culture; the place of Turkish in the world languages ;the historical terms of Turkish, spreading areas nowadays, the characteristics of sounds in Turkish, classification and root and affix's functions.	Lect. Mehmet DEMİRBAĞ mdemirbag@munzur.edu.tr	Applied Construction Technology
ENF101/3	Computer Skills I	Winter	The historical development of computer, the history of revolutions in computer technology, the understanding of the system of computer, the analysis of software and hardware, opening file in Microsoft, finding vocabulary, correcting, drawing, the using of tools are taught.	Lect.Vedat TÜMEN vtumen@munzur.edu.tr +905064084921	Applied Construction Technology
YDİ 131/2	Foreign Language I	Winter	Markers; prepositions: place, time, movement; singular and plural nouns, countable and uncountable names, times, large time, present time, past tense structures, modes, will, should, should not, must, must, can, compare structures, names, person names, possessions, adjectives , positive sentences, negative sentences and question.	Lect.Çilem KAYA ckaya@munzur.edu.tr	Applied Construction Technology

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MAT 165/3	Mathematics I	Winter	Numbers, equations and inequalities, functions, trigonometry, complex numbers, logarithms, systems of linear equations and matrices, limit and continuity, derivative and its applications, integrals and applications, differential equations, statistics.	Lect.Hacer Merve PEKER hmpeker@munzur.edu.tr	Applied Construction Technology
TBI 101/3	Scientific Principles of Technology	Winter	Physical Quantities, Unit Systems, Static Equilibrium - Basic Concepts, Static Equilibrium - Force, Moment, Balance, Flexibility, Dynamic - Basic Concepts, Dynamics - Motion, Newton's Laws of Motion, Midterm Exams, Fluids - Basic Concepts, Fluids - Principles, Vibrations, Waves, Heat, Thermal Expansion, Electricity	Lect. Sibel KORUNUR skorunur@munzur.edu.tr	Applied Construction Technology
GTİ 101/2	General and Technical Communication	Winter	Definition and Content of Communication, Purpose and Importance of Communication, Basic Properties of Communication, Communication Process, Features that the Message Must Carry, Features Required for the Buyer to Carry, Oral Communication, Horizontal Communication, Horizontal Communication, Cross Communication, Communication in Virtual Organizations, Communication with Technological Tools, Information and Communication, Written Communication Tools, Technical Communication Tools, Visual and Audio-visual (Audio-Visual) Communication Tools.	Lect.Hatice KENEŞ hkenes@munzur.edu.tr	Applied Construction Technology
TTİ 101/4	Structural Analysis I	Winter	This course will primarily concentrate on structural systems, on the analysis of statically determinate structures, the construction of internal force diagrams, the construction and use of influence lines, the calculation of deflections. The course gives students an understanding of the importance of structural analysis and the tools available to determine the	Lect.Alper POLAT apolat@munzur.edu.tr +905072596968	Applied Construction Technology

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			response of statically determinate structures to constant and moving loads. In addition, the course focus on the analysis of statically indeterminate structures by the Force Method.		
TTİ103/3	Construction Technology I	Winter	It aims to know all the construction phases of a building construction from the foundation to the roof and to know the current building materials.	Lect.Nida ÇELİK ncelik@munzur.edu.tr +905537459578	Applied Construction Technology
TTİ 123/4	Science of Material and Construction Material	Winter	Graduation of construction materials with respect to place of use, determination of physical properties of materials, graduation of natural and artificial materials, determination of areas of use of conduction and insulating materials properties	Lect. Berivan POLAT bpolat@munzur.edu.tr +905363826864	Applied Construction Technology
TTİ 121/3	Technical Drawing	Winter	To provide the necessary drawing knowledge for the vocational courses and the materials they need.	Lect. Zülfükar AKSAĞAN zaksagan@munzur.edu.tr +905331205423	Applied Construction Technology

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2.TERM					
Code/ Credits	Course	Semester Winter/ Spring	Contents	Contact Details of Lecturer	Department
TTİ102 - 4	Structural Analysis-II	Spring	The aim of this course is to teach The Gerber Beams, Truss Systems, Three Hinged Systems, Analysis of Hyperstatic Systems, Bureau and Cross Method.	Lect. Dr. Alper POLAT alperpolat@munzur.edu.tr +905072596968	Construction Technology
TTİ106/4	Concrete Technology	Spring	Chemistry, formation and types of cement and concrete. The properties of materials to be used in the production of concrete. Calculation of concrete mixture. Processing and curing of concrete	Lect. Berivan POLAT bpolat@munzur.edu.tr +905363826864	Construction Technology
TRD 102/2	Turkish Language II	Spring	The general aim of this course is; to grasp what they listen to and listen to what they read; To show that Turkish language is rich, rooted and productive language; to awaken the love of language and consciousness; to gain reading pleasure and habit; To adopt the basic values of Turkish society; briefly to improve the thinking and communication skills of individuals.	Lect. Mehmet DEMİRBAĞ mdemirbag@munzur.edu.tr	Applied Construction Technology
AİT 102/2	The Principles of Atatürk and History of Turkish Revolution II	Spring	The establishment of the Republic of Turkey as a secular and unitary state after the collapse of the Ottoman Empire; history of Turkish modernization experience in accordance with the establishment of the new state, the instruction of the Turkish Revolution pioneered by Kemal Atatürk and the Kemalist thought, as the meaning and statement of modernity and secularism in Turkey to young generations and let them figure out its significance. It aims to let the student who attends the courses acquire the ability of classification, description, explanation, knowledge of the current social and individual problems in Turkey by taking science and norms of modernity into account with respect to the Kemalist thought and the Turkish Revolution.	Lect. Adem KIZKAPAN akizkapan@munzur.edu.tr +905367897257	Applied Construction Technology
MAT 166/3	Mathematics II	Spring	To give enough mathematical knowledge to solve engineering problems and to develop	Lect. M. ÇETİN	Applied Construction Technology

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			students' ability to think analytically and produce solutions to problems.		
YDİ 132/2	Foreign Language II	Spring	To give the students a basic knowledge of English and enable them to use it in their daily life.		Applied Construction Technology
TTİ104/2	Construction Technology II	Spring	Dilatation joints, insulation (insulation), earthworks, traditional and advanced construction methods and temporary work to teach.	Lect.Nida ÇELİK ncelik@munzur.edu.tr +905537459578	Applied Construction Technology
TTİ108/3	Building Architecture And Detailed Drawing	Spring	Will be able to make plan, appearance, section, detail and reinforced concrete plan and detail drawings by using technical drawing tools.	Lect.Zülfükar AKSAĞAN zulfukaraksagan@munzur.edu.tr +905331205423	Applied Construction Technology
TTİ110/2	Strength Of Materials	Spring	With this course, students will know the stresses occurring in objects under force and will know the behavior of the object under this stress. It will be able to solve the slip and normal stresses under mohr circle and calculate the torsion and bending in the body. Students will be able to know the concept of moment momentum and calculate the moment of inertia of the geometric shapes. Will be able to apply simple beam design and principles to calculate changes in material with heat effect.	Lect.Z. Murat DOĞAN ncelik@munzur.edu.tr +90 0532 625 9506	Applied Construction Technology
TTİ112/2	Computer Aided Drawing	Spring	The aim of this course is to provide the students with the competencies related to drawing two-dimensional production / construction picture and assembly according to technical drawing standards and rules by using drawing software programs on computer.	Lect.Z. Murat DOĞAN zmdogan@munzur.edu.tr +90 0532 625 9506	Applied Construction Technology

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3.TERM					
Code/ Credits	Course	Semester Winter/ Spring	Contents	Contact Details of Lecturer	Department
TTİ201/1	Computer Supported Design I	Winter	Computer-aided package drawing programs program installation CAD program commands CAD program drawing settings required drawing commands and methods will be taught in practice.	Lect.Kürşat Kaymaz kkaymaz@munzur.edu.tr +905356763916	Applied English&Translation
TTİ219/1	Damage Assessment In Buildings	Winter	The definition and types of relief, concrete and reinforced concrete structures in the structural elements that occur in the damage and formation reasons to be specified, the methods used in the repair and strengthening of structures.	Lect.Kürşat Kaymaz kkaymaz@munzur.edu.tr +905356763916	Applied English&Translation
TTİ203 - 3	Soil Mechanics-I	Winter	Course content is as follows; -Mechanics of soil, -properties of soil, -To take sampel from soils.	Lect. Dr. Alper POLAT alperpolat@munzur.edu.tr +905072596968	Construction Technology
TTİ209/3	Laboratory Technigues	Winter	Recognition of devices in laboratory, Laboratorytestsrelatedtocement, concreteandaggregate, Interpretingexperimentalresults	Lect.Berivan POLAT bpolat@munzur.edu.tr +905363826864	Construction Technology
TTİ205/3	Yardage And Budget Estimate Works	Winter	With this course, the student will be able to make the calculations of the building elements and the merit calculations.	Lect.Nida ÇELİK ncelik@munzur.edu.tr +905537459578	Applied Construction Tecnology
TTİ217/2	HighwayCo nstruction I	Winter	Withthiscourse, thestudentwill be abletoknowtheroadandtheconce ptsrelatedtotheroad, tolearntheeffects of trafficanroadcapacities on theroaddesignandto comprehend whichprocessstepsshould be followedduringtheroadprojectan dsurvey. Will be abletoanalyzethe service life of thecurrentorexistingroad.	Lect.Zülfükar AKSAĞAN zulfukaraksagan@munzur.edu.tr +905331205423	Applied Construction Tecnology
TTİ207/2	ReinforcedC oncrete I	Winter	Toexplainandexplainthebasicpri nciples of reinforcedconcretestructuralele mentsandreinforcedconcretestru cturalsystembehavior.	Lect.Zülfükar AKSAĞAN zulfukaraksagan@munzur.edu.tr +905331205423	Construction Technology
TTİ211/2	Steel Construction s I	Winter	With this course, the student will be able to recognize the steel structure systems, materials and elements, and will be able to recognize and calculate the steel structure joining devices. Will be able to	Lect.Z. Murat DOĞAN zmdogan@munzur.edu.tr +90 0532 625 9506	Applied Construction Tecnology

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			perform cross-section determination in tensile bars and will be able to carry out tensile testing.		
TTİ215/2	Hydraulics And Hydrology	Winter	The aim of this course is the application in the Civil Engineering domain of the Fluid Mechanics principles, to study the application of dimensional analysis to the hydraulics problems, to present the principles of model theory, to analyze the basic equations and engineering applications of closed conduit flows, to present the basic equations and engineering applications of open channel flows.	Lect.Dr. Yusuf DOĞAN ydogan@munzur.edu.tr	Applied Construction Technology
TTİ227/2	Professional Practise		To compare the internship with the courses taken in three semesters and to test the acquisition of students.	Lect.Z. Murat DOĞAN zmdogan@munzur.edu.tr +90 0532 625 9506	Applied Construction Technology



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4.TERM					
Code/ Credits	Course	Semester Winter/ Spring	Contents	Contact Details of Lecturer	Department
TTİ 202/1	Computer Aided Design II	Spring	Computer-aided package drawing programs with Auto-CAD program in order to make two-dimensional drawing commands and methods will be taught in practice	Lect.Kürşat Kaymaz kkaymaz@munzur.edu.tr +905356763916	Applied English&Translati on
TTİ204 - 3	Soil Mechanics-II	Spring	The aim of this course is Stability of slopes, Bearing capacity. Lateral earth pressures. Earth retaining structures: Retaining walls, sheet pile walls, braced excavations. Consolidation.	Lect. Dr. Alper POLAT alperpolat@munzur.edu.tr +905072596968	Construction Technology
TTİ206/3	Structure Repair And Reinforcing	Spring	Concept of repairandreinforcement, damagedetection, classification of damagelevels, assessment of damageandstrengtheningdecisio n, types of damage, causes of damageandrepairmethods of buildingelements, general criteriaforearthquakeresistantdes ign	Lect.Berivan POLAT bpolat@munzur.edu.tr +905363826864	Construction Technology
TTİ216 - 2	Water Supply And Waste Waters	Spring	Course content is as follows; Water quality and environmental sanitation, population estimation methods, determination of water need, flow characteristics, collection of surface waters, collection of ground water, wells, election of pumps, water transmission lines, water reservoirs, calculation of drinking water networks, constitution and economic analysis and of water supply facilities.	Lect. Dr. Alper POLAT alperpolat@munzur.edu.tr +905072596968	Construction Technology
TTİ210/1	Topography	Spring	Application of land measurement techniques and basic calculations required in the profession	Lect.Kürşat Kaymaz kkaymaz@munzur.edu.tr +905356763916	Applied English&Translati on
TTİ208/2	Reinforced Concrete II	Spring	Toexplainthebasicprinciples of reinforcedconcretestructuralele mentsandreinforcedconcretecarr iersystembehavior, tointroducethemethods of analysis of concreteslabandbasicsystems, designstagesandprinciples.	Lect.Zülfükar AKSAĞAN zulfukaraksagan@munzur.edu.tr +905331205423	Construction Technology
TTİ214/2	Steel Construction s II	Spring	Calculate the tensile and pressure rods in steel structures and select the materials to carry that load under the required loads. Will be able to calculate resource for single and multi-part girth calculations. Will be	Lect.Z. Murat DOĞAN zmdogan@munzur.edu.tr +90 0532 625 9506	Applied Construction Tecnology

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			able to make roof calculations for steel structure.		
TTİ218/2	Highway Construction II	Spring	It will be able to compute the curves and slopes that will be given to the road that can be constructed during the highway projects, and will be able to make the longitudinal and cross-sectional drawings at the points where the route passes, and will be able to calculate and apply the art structures to be formed with the splitting and filling works.	Lect. Zülfükar AKSAĞAN zulfukaraksagan@munzur.edu.tr +905331205423	Construction Technology
TTİ228/3	System Analysis And Designing	Spring	To understand the principles of system design and to comprehend the method of data collection.	Lect. Nida ÇELİK ncelik@munzur.edu.tr +905537459578	Applied Construction Technology
GİR222	Entrepreneurship	Spring	The entrepreneurial culture, the local and international framework of entrepreneurship and the entrepreneurship ethics will be explained.	Lect. N. PLATİN	Applied Construction Technology