



Tokat Gaziosmanpaşa University

Tokat Vocational School
Construction Technology

İNŞ-1049 INFORMATION AND COMMUNICATION TECHNOLOGIES					
Semester	Code	Name	T+P	Credit	ECTS
1	İNŞ-1049	INFORMATION AND COMMUNICATION TECHNOLOGIES	3	3	4
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Dr. Özlem TOPRAK Instructor İbrahim KARAN	None	

The aim of lesson :

concepts of computer and operating systems, office software and internet use development, introducing the basic concepts of computer networks, computer problem solving Introduction

Course Contents :

Internet, office programs, web design



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İNŞ-1043 TECHNICAL DRAWING					
Semester	Code	Name	T+P	Credit	ECTS
1	İNŞ-1043	TECHNICAL DRAWING	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Ahmet ESMERAY	None	

The aim of lesson :

With this course, students gain the technical picture is intended to draw the necessary competencies.

Course Contents :

Technical Drawing Tools and Materials, Line Types, Geometrical shapes Drawings, Trace drop, the View Landing, Scales and Measurement, Perspective



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İNŞ-1044 MECHANICAL AND STATICS					
Semester	Code	Name	T+P	Credit	ECTS
2	İNŞ-1044	MECHANICAL AND STATICS	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor İbrahim KARAN	None	

The aim of lesson :

With this course, students be able to do basic calculations necessary for the design of structural elements.

Course Contents :

Units of Measurement, Scalar and Vector Quantities, Component and Composition Operations Forces, Moment At one point, Bearing Response



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İNŞ-1045	MATERIALS OF CONSTRUCTION				
Semester	Code	Name	T+P	Credit	ECTS
1	İNŞ-1045	MATERIALS OF CONSTRUCTION	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Bahattin ÖZTOPRAK	None	
The aim of lesson :					
Selection of appropriate materials in the design and economic structures to understand the general properties of materials					
Course Contents :					
Material properties, industrial supplies					



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İNŞ-1041	MATHEMATICS I				
Semester	Code	Name	T+P	Credit	ECTS
1	İNŞ-1041	MATHEMATICS I	3	3	5
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Çiğdem Öztaş	None	
The aim of lesson :					
Give the key concept to student to solve basic math problems related to computer programs					
Course Contents :					
Arithmetic and algebraic operations, the first order one and two unknowns Equations, simple inequalities, Base and Root-making and problem-solving (Percent, age, speed problems, etc.)					



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İNŞ-1042	MATHEMATICS II				
Semester	Code	Name	T+P	Credit	ECTS
2	İNŞ-1042	MATHEMATICS II	3	3	5
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Çiğdem ÖZTAŞ	None	
The aim of lesson :					
our goal is provide students with clear understanding of the ideas of mathematics as a solid foundation for subsequent courses in math and other disciplines.					
Course Contents :					
The concept of function, quadratic equations, and Trigonometrik functions, complex numbers, the limit of a function and its derivative, Matrices and Determinants					



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İNŞ-1053	COMMUNICATION				
Semester	Code	Name	T+P	Credit	ECTS
1	İNŞ-1053	COMMUNICATION	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Asist Prof.Dr. Ahmet ESMERAY	None

The aim of lesson :

The students understand functioning of communication process, importance and necessity. They learn types of communication, and encountered communication barriers and ways to overcome these obstacles

Course Contents :

The basic elements of communication, the functioning of the communication, communication skills within the groups and Organizations, preventing disrupting communication constraints, arising from the difficulties of language and expression differences in status and for the elimination of these studies, written, the importance verbal and nonverbal communication, and used techniques



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İNŞ-1064	OFFICE SOFTWARE				
Semester	Code	Name	T+P	Credit	ECTS
2	İNŞ-1064	OFFICE SOFTWARE	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor İbrahim KARAN Instructor Dr. Özlem TOPRAK	None

The aim of lesson :

Basic concepts of computer hardware components and a basic level of recognition and learning to use computer-software types of software know-concept and to use the Windows XP operating system

Course Contents :

General information about computer science, computer architecture and its operations, and units of the System Unit, Input-output units and interfaces, installation of computer systems, computer hardware used in the units, structures, cards and devices, the work and understand their use. General information about the use of operating systems and Windows XP



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İNŞ-2008	SOIL MECHANICS II				
Semester	Code	Name	T+P	Credit	ECTS
4	İNŞ-2008	SOIL MECHANICS II	2	2	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor Dr. Özlem TOPRAK	None

The aim of lesson :

The student will be able to determine by experiments in accordance with standards of the mechanical properties of the ground.

Course Contents :

Soil stresses, pore pressure and effective stresses. Consolidation and settlement accounts. Shear strength and the determination of the experimental. Improving soil properties and compaction.



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İNŞ-1046		RESISTANCE			
Semester	Code	Name	T+P	Credit	ECTS
2	İNŞ-1046	RESISTANCE	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Bahattin ÖZTOPRAK	None	
The aim of lesson :					
With this course, students cross-sectional design of delivery systems to detect the effect of strength properties of objects, according to the appropriate cross-section from the effects of cross-sectional design to be able to do					
Course Contents :					
To determine the coordinates of the center of gravity and moment of inertia of a structural member cross-section, drawing on the influence of structural elements to determine cross-section, the pressure under the influence of elements in the structure determination of cross-section, cross-section structural members to determine the influence of cutting, bending under the influence of cross-sectional determination of the structure elements					



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İNŞ-1047		TECHNICAL PHYSICS			
Semester	Code	Name	T+P	Credit	ECTS
1	İNŞ-1047	TECHNICAL PHYSICS	3	3	4
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Bahattin ÖZTOPRAK	None	
The aim of lesson :					
The scientific principles of technology are based on physics. Physics is the science of our everyday life.					
Course Contents :					
The machines we use in our daily life actually work by the principles of friction, motion, energy which are the issues of the science, physics. It may not be necessary for everyone to know these principles. However, a technical worker needs this information in order to be able to solve the technical problems that he/she might come across with at work. To be able to overcome problems and being a productive individual improves person's confidence, increase happiness and by being productive a person he/she can contribute to his/her country. It is not even necessary to have laboratories to comprehend this science, because life is the lab itself. If we can observe the physical events and the production and transportation systems that are constructed by using the principles of physics, by the guidance of this course, if we can combine our theoretic knowledge and practical experiences that are around us, everything would make more sense. Our objective in "Scientific Principles and Technology" course is to give the information mentioned above and to train a technical worker who has the ability of solving physical problems.					



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İNŞ-1002		COMPUTER AIDED DRAWING			
Semester	Code	Name	T+P	Credit	ECTS
2	İNŞ-1002	COMPUTER AIDED DRAWING	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor İbrahim KARAN	None	
The aim of lesson :					
Computer-aided drafting and design (CAD) packages active and effective way to use 2 Two-dimensional technical drawings in AutoCAD package for applications in computer program to draw using the illustrations related to the profession					
Course Contents :					
CAD (Computer Aided Design) Station, Basic CAD Work, Coordinate Systems, Disk Usage, drawing and Commands, Dimensioning, Configuration, Transfer of drawings on paper, plotters Use, Advanced CAD Work					



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İNS-1004	CONCRETE TECHNOLOGY				
Semester	Code	Name	T+P	Credit	ECTS
2	İNS-1004	CONCRETE TECHNOLOGY	3	3	4
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Bahattin ÖZTOPRAK	None	
The aim of lesson :					
Learn basic information about the content and implementation of concrete					
Course Contents :					
Aggregate, cement, water, Concrete / Ready-mixed concrete					



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İNS-1051	ENVIRONMENTAL PROTECTION				
Semester	Code	Name	T+P	Credit	ECTS
1	İNS-1051	ENVIRONMENTAL PROTECTION	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Dr. Özlem TOPRAK	None	
The aim of lesson :					
Information about the environment and human health protection rules and skills					
Course Contents :					
Environmental Information Regulation, Risk Analysis, Waste Storage, Personal Protection Measures, the International Health and Safety Alerts, Health and Safety Regulation					



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İNS-1060	OCCUPATIONAL DRAWING				
Semester	Code	Name	T+P	Credit	ECTS
2	İNS-1060	OCCUPATIONAL DRAWING	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Bahattin ÖZTOPRAK Asist Prof.Dr. Ahmet ESIMERAY	None	
The aim of lesson :					
This course is intended to make drawings on the vehicle engine parts and assembly components					
Course Contents :					
The student draw pictures of engine parts and assembly components.					



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D0000107	Ataturk's Principles and History of Turkish Revolution II				
Semester	Code	Name	T+P	Credit	ECTS
2	D0000107	Ataturk's Principles and History of Turkish Revolution II	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Specialist Dr. İzzet Bahri ATEŞLİ Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sadet ALTAY Specialist Dr. Adnan GELMEZ Specialist Dr. Sabri ZENGİN	None	

The aim of lesson :

To understand Ataturk's reforms and how basic principles of the republic came into existence in Republic of Turkey establishment period. To help Turkish youth in the way of being unified individuals as a nation and becoming effective in the contemporary world.

Course Contents :

The last periods of the War of Independence. Treaties that causes the establishment of Republic of Turkey. Ataturk's principles which determine the features of Republic of Turkey and the revolutions which strengthen these principles



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D0000141	English II				
Semester	Code	Name	T+P	Credit	ECTS
2	D0000141	English II	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Burçak TÜRK	None	

The aim of lesson :

This course aims to provide the students understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type; introduce him and others and ask and answer questions about personal details such as where he lives, people he knows and things he has. interact in a simple way provided the other person talks slowly.

Course Contents :

This course includes grammar, spelling and pronunciation, vocabulary, listening and speaking skills.



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İNŞ-2061	QUALITY ASSURANCE AND STANDARTS				
Semester	Code	Name	T+P	Credit	ECTS
3	İNŞ-2061	QUALITY ASSURANCE AND STANDARTS	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Dr. Özlem TOPRAK	None	

The aim of lesson :

To understand the necessity and importance of standardization. To explain the concepts of quality and quality. Understanding the importance of quality assurance. Professional standards to explain.

Course Contents :

Production, Consumption and Management models beyond the continuous improvement (kaizen), customer focus, to prevent the audit, teamwork, process approach, emphasis on education quality, ie a brief description of



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İNŞ-2057	LAND SURVEYING				
Semester	Code	Name	T+P	Credit	ECTS
3	İNŞ-2057	LAND SURVEYING	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Ahmet ESMERAY Asist Prof.Dr. Bahattin ÖZTOPRAK	None	

The aim of lesson :

With this course, the student, the profession of land surveying techniques that required application and be able to do basic calculations

Course Contents :

Land measurement techniques Levelling works Levelling works Electronic land measuring instruments Electronic land measuring instruments Boy Removing Section Removing the cross-section Dimensions plankote



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İNŞ-2009	BUSINESS ADMINISTRATION				
Semester	Code	Name	T+P	Credit	ECTS
3	İNŞ-2009	BUSINESS ADMINISTRATION	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Prof.Dr. HİLMİ ERDAL	None	

The aim of lesson :

To enable the students acquire adequacies in setting up and developing procedures of a corporation

Course Contents :

Oral and visual expression, presentation, discussion, homework



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İNŞ-2056	PROFESSIONAL PRACTICES II				
Semester	Code	Name	T+P	Credit	ECTS
4	İNŞ-2056	PROFESSIONAL PRACTICES II	2	1	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor İBRAHİM KARAN	None	

The aim of lesson :

Course Contents :



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İNS-2011	STRUCTURAL ANALYSIS				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2011	STRUCTURAL ANALYSIS	3	3	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor İbrahim KARAN Prof.Dr. Ahmet ESIMERAY	None

The aim of lesson :

Application of Gerber systems and cage systems are pretty much able to recognize and analyze

Course Contents :

Gerber definition and benefits of beams with hinges, hinge systems, placement rules, Gerber beam static calculation, static calculation and Gerber beams cross sectional drawing of diagrams, the definition and classification of truss systems, truss systems, solution methods, three-hinged arches, and three-hinged frames and solution methods, statically indeterminate solution methods of systems, multi-span beams indeterminate static calculations



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İNS-2060	PROFESSIONAL ETHICS				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2060	PROFESSIONAL ETHICS	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor Dr. Özlem TOPRAK Asist Prof.Dr. Ahmet ESIMERAY	None

The aim of lesson :

This course is aimed to gain competencies related to professional ethics.

Course Contents :

to review the concepts of ethics and morality 2.Comply with the principles of professional ethics



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İNS-2062	WASTE WATER				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2062	WASTE WATER	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor Dr. Özlem TOPRAK	None

The aim of lesson :

Wastewater course puporses are development of environmental awareness, research the causes of pollution, waste removal and storage of water and make treatment plants.

Course Contents :

development of environmental awareness, research the causes of pollution,



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D0000106	Ataturk's Principles and History of Turkish Revolution I				
Semester	Code	Name	T+P	Credit	ECTS
1	D0000106	Ataturk's Principles and History of Turkish Revolution I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Specialist Dr. Adnan GELMEZ Specialist Dr. Sadet ALTAY Specialist Dr. Sabri ZENGİN Specialist Dr. İzzet Bahri ATEŞLİ Specialist Dr. Ayşe ERYAMAN	None	

The aim of lesson :

In order to understand conditions and features of the establishment of Republic of Turkey: To understand the reasons that forced Turkish nation to have Independence War, in which condition and within which terms Turkish War of Independence took place, upon which basis the state was established, and finally to educate next generations who know establishment philosophy of the state and who are respectful to Turkish state and nation.

Course Contents :

Aim of the course, its scope, and basic concepts. Final period of Ottoman Empire, its problems, modernization efforts and collapse. Turkish War of Independence.



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D0000140	English I				
Semester	Code	Name	T+P	Credit	ECTS
1	D0000140	English I	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Burçak TÜRK	None	

The aim of lesson :

This course aims to provide the students understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type; introduce him and others and ask and answer questions about personal details such as where he lives, people he knows and things he has. interact in a simple way provided the other person talks slowly.

Course Contents :

This course includes grammar, spelling and pronunciation, vocabulary, listening and speaking skills.



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D0000194	Turkish Language I				
Semester	Code	Name	T+P	Credit	ECTS
1	D0000194	Turkish Language I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor Dr. ERDAL BARAN	None	

The aim of lesson :

The goals of lecture ara states her / him self fluentlyand affectively, mainlanguage awerness; at panels, conferece, foorum etc.

Course Contents :

Dersin amacı, kapsamı ve temel kavramlar hakkında bilgi verilmesi. Türk dilinin temel sorunları, kuralları. Dilin etkili ve güzel kullanımı.



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İNS-2041	RESEARCH METHODS AND TECHNIQUES				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2041	RESEARCH METHODS AND TECHNIQUES	2	2	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Prof.Dr. MEHMET TEKİN	None	
The aim of lesson : Bu derste öğreniciye; araştırma yapma yeterliklerini kazandırmak amaçlanmaktadır. Course Contents :					



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İNS-2002	CONSTRUCTION REPAIR AND REINFORCEMENT				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2002	CONSTRUCTION REPAIR AND REINFORCEMENT	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor İbrahim KARAN	None	
The aim of lesson : Turkey, situated on a very large earthquake zone, a portion of the project and implementation phase, which would inevitably be damaged in the earthquake due to errors in the structures, the introduction of reusable learning situation Course Contents : Identification and evaluation of damage, repair and reinforcement of concrete structures, concrete structures and repair of corrosion damage, Damage assessment and strengthening of masonry buildings, evaluation of existing buildings					



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İNS-2001	REINFORCED CONCRETE				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2001	REINFORCED CONCRETE	4	4	4
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor İbrahim KARAN	None	
The aim of lesson : Delivery system in our country as a very wide / widely used in reinforced concrete structures to recognize and understand the behavior of . Course Contents : Basic information; The behavior of materials and reinforced concrete ; bending moments , axial and shear forces influence of elements; flooring and basic accounts...					



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İNS-2004	STEEL STRUCTURES				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2004	STEEL STRUCTURES	3	3	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor İbrahim KARAN Prof.Dr. Şahin SÖZEN	None

The aim of lesson :

Reinforced concrete structures in our country according to the practice field is too wide / not common, so qualified technical staff needed to comprehend the behavior of steel structures and recognize

Course Contents :

Basic information, steel structures and installation status for the load, means of joining steel members, tension bars, pressure bars ...



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İNS-2003	COMPUTER AIDED DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2003	COMPUTER AIDED DESIGN	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor İbrahim KARAN	None

The aim of lesson :

The program is a package of current and widely used in the construction sector.

Course Contents :

The use of a CAD-static program .



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İNS-2046	STRUCTURE COSTS AND QUANTITY				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2046	STRUCTURE COSTS AND QUANTITY	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor İbrahim KARAN	None

The aim of lesson :

Unit prices, quantities and discovery, progress, interim and final acceptance to teach

Course Contents :

About the program by hand and feature, about cost, transportation, pursantaj rates and calculating the difference in price, make merit, temporary and final acceptance procedures



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İNS-2047	PROFESSIONAL PRACTICES I				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2047	PROFESSIONAL PRACTICES I	2	1	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Şahin SÖZEN	None	
The aim of lesson :					
Bu ders ile öğrencinin, mesleği ile ilgili kargir, metal ve ahşap malzemeleri kullanarak atölye uygulamaları yapabilecektir.					
Course Contents :					



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İNS-2006	CONSTRUCTION SITE ORGANIZATION				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2006	CONSTRUCTION SITE ORGANIZATION	2	2	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Instructor İbrahim KARAN	None	
The aim of lesson :					
Projects, the tender process and contracts, establishment of construction sites, notified in Business Program and to provide supervision services					
Course Contents :					
Projects. The project types. Parties. The necessity of the project, procurement law. The tender dossier, tender commissions. Announcement of the tender, the tender types. Contracts, Business planning methods. (CPM, PERT, BAR). CPM and PERT applications, construction sites books. Changes in the project, extreme low inquiry, Public Works General Conditions, Site recipe makes. The necessity of the Site, parts, construction site water and energy needs, the importance of transportation routes to construction sites. A variety of tasks on site workshops, business plan types. (Manufacturing, ihzarat, etc.).					



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İNS-2049	HIGHWAY ENGINEERING				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2049	HIGHWAY ENGINEERING	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Construction Technology		None	Asist Prof.Dr. Bahattin ÖZTOPRAK Asist Prof.Dr. Ahmet ESMERAY	None	
The aim of lesson :					
With this course, students learn the stages of road construction, construction, able to do basic calculations.					
Course Contents :					
Transportation systems, road standards, alignment, horizontal curves, vertical curves, cross sections, superelevation, filling and splitting jobs					



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İNS-2050	STRUCTURAL INSTALLATIONS				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2050	STRUCTURAL INSTALLATIONS	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Asist Prof.Dr. Bahattin ÖZTOPRAK	None

The aim of lesson :

With this course the student is to be able to control building materials and construction used in the mechanical installations.

Course Contents :

Used in waste water installations and supplies, and materials used in plumbing, building materials used in electrical installations, building materials used in central heating installations



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İNS-2005	SOIL MECHANICS I				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2005	SOIL MECHANICS I	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor Dr. Özlem TOPRAK	None

The aim of lesson :

To give students information about the basic principles of Soil Mechanics

Course Contents :

Index properties of soils. Classification. Permeability, Darcys law and the grounds of water flow problems. Soil stresses, pore pressure and effective stresses. Consolidation and settlement accounts. Shear strength and the determination of the experimental. Improving soil properties and compaction.



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İNS-2007	WATER SUPPLY AND TRANSMISSION				
Semester	Code	Name	T+P	Credit	ECTS
3	İNS-2007	WATER SUPPLY AND TRANSMISSION	2	2	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor Dr. Özlem TOPRAK	None

The aim of lesson :

With this course, students in the environment by identifying suitable water resources available, will be able to make the necessary studies

Course Contents :

Drinking Water Drinking Water Irrigation Water Energy Production Water Water Requirement Water Resource Flow Surface Water Ground Water Ground Water Fabulous Transmission Fabulous Transmission
Transmission promoting Transmission promoting



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İNS-2010	PROJECT SURVEY AND IMPLEMENTATION				
Semester	Code	Name	T+P	Credit	ECTS
4	İNS-2010	PROJECT SURVEY AND IMPLEMENTATION	3	3	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Construction Technology		None	Instructor OKAY YILDIZ	None

The aim of lesson :

Öğrenci, inşaat teknolojisi ile ilgili seçilen bir projenin, her aşamasını ferdi yada grup olarak yürütebilecektir

Course Contents :