



MANİSA CELAL BAYAR ÜNİVERSİTESİ
MANİSA TEKNİK BİLİMLER MESLEK YÜKSEKOKULU
İNŞAAT BÖLÜMÜ
İNŞAAT TEKNOLOJİSİ PROGRAMI
2021 ÖĞRETİM PLANI

1.Sınıf 1. Yarıyıl							
Türkçe/İngilizce Ders Kodu	Türkçe Ders Adı	İngilizce Ders Adı	T	U	S	K	AKTS
ITP 1101	Matematik 1	Mathematics 1	2	0	2	2	4
ITP 1103	Yapı Malzemesi	Construction Materials	3	0	3	3	5
ITP 1105	Teknik Resim	Technical Drawing	3	1	4	4	5
ITP 1107	Yapı Teknolojisi	Building Technology	3	0	3	3	5
ITP 1109	Yapı Statiği	Structural Analysis	3	0	3	3	4
ITP 1111	Ölçme Bilgisi	Surveying	3	1	4	4	5
ITP 1113	İletişim ve Etik	Communication and Ethics	2	0	2	2	2
Toplam			19	2	21	21	30

1.Sınıf 2. Yarıyıl							
Türkçe/ İngilizce Ders Kodu	Türkçe Ders Adı	İngilizce Ders Adı	T	U	S	K	AKTS
ITP 1102	Matematik 2	Mathematics 2	2	0	2	2	4
ITP 1104	Araştırma Yöntem ve Teknikleri	Research Methods and Technics	2	1	3	3	3
ITP 1118	Mukavemet	Strength of Materials	3	0	3	3	4
ITP 1108	Beton Teknolojisi	Concrete Technology	2	1	3	3	4
ITP 1110	Zemin Mekanik 1	Soil Mechanics 1	2	1	3	3	4
ITP 1112	Bilgisayar Destekli Çizim	Computer Aided Drawing	2	1	3	3	4
ITP 1114	Sosyal Sorumluluk	Social Responsibility	1	0	1	1	1
ITP 1120	Büro ve Şantiye Organizasyonu	Office and Site Organization	2	1	3	3	3
ITP 1204	Teknik Olmayan Seçmeli Dersler	Nontechnical Elective Course	2	0	2	2	3
ITP 1220	Girişimcilik	Entrepreneurship	2	0	2	2	3
ITP 1222	İşletme Yönetimi	Business Administration	2	0	2	2	3
ITP 1224	Kalite Güvence Standartlar	Quality Assurance Standards	2	0	2	2	3
ITP 1226	Bilgi ve İletişim Teknolojileri	Information and Communication Technologies	2	0	2	2	3
ITP 1228	Çevre Yönetimi	Environmental Management	2	0	2	2	3
ITP 1230	Teknoloji Yönetimi	Technology Management	2	0	2	2	3
ITP 1232	İnovasyon Yönetimi	Innovation Management	2	0	2	2	3
Toplam			18	5	23	23	30

Doç. Dr. Barış YILMAZ
Bölüm Başkanı

Sayfa | 1



MANİSA CELAL BAYAR ÜNİVERSİTESİ
MANİSA TEKNİK BİLİMLER MESLEK YÜKSEKOKULU
İNŞAAT BÖLÜMÜ
İNŞAAT TEKNOLOJİSİ PROGRAMI
2021 ÖĞRETİM PLANI

2.Sınıf 3. Yarıyıl							
Türkçe/ İngilizce Ders Kodu	Türkçe Ders Adı	İngilizce Ders Adı	T	U	S	K	AKTS
ITP 2101	Betonarme	Reinforced Concrete	2	1	3	3	4
ITP 2103	Bilgisayar Destekli Tasarım	Computer Aided Design	2	1	3	3	5
ITP 2105	Yapı Metraj ve Maliyeti	Construction Meter and Cost	2	1	3	3	5
ITP 2107	Çelik Yapılar	Steel Structures	2	0	2	2	4
ITP 2109	Zemin Mekaniği 2	Soil Mechanics 2	2	1	3	3	4
ITP 2111	İş Sağlığı ve Güvenliği	Occupational Health and Safety	2	0	2	2	2
ITP 2113	Hidrolik Hidroloji	Hydraulic Hydrology	2	0	2	2	2
ITP 2201	Teknik Seçmeli Dersler	Technical Elective Course	4	0	4	4	4
ITP 2201	Zemin İyileştirme Yöntemleri	Ground Improvement Techniques	2	0	2	2	2
ITP 2203	Karayolu İnşaatı	Highway Construction	2	0	2	2	2
ITP 2205	Prefabrik Yapılar	Prefabricated Structures	2	0	2	2	2
ITP 2207	Deprem ve Zemin	Earthquake and Soil	2	0	2	2	2
Toplam			18	4	22	22	30

2.Sınıf 4. Yarıyıl							
Türkçe/İngilizce Ders Kodu	Türkçe Ders Adı	İngilizce Ders Adı	T	U	S	K	AKTS
MYO 2002	İşletmede Mesleki Eğitim	Vocational Training in Workplace	5	0	5	4	18
AİT 2102	Atatürk İlkeleri ve İnkılap Tarihi	Atatürk's Principles and History of Revolution	4	0	4	4	4
TDL 2102	Türk Dili	Turkish Language	4	0	4	4	4
YDI 2102	Yabancı Dil	Foreing Language	4	0	4	4	4
Toplam			17	0	17	16	30
Genel Toplam			72	11	83	82	120

T: Teori **U:** Uygulama **S:** Ders Saati **K:** Ulusal Kredi **AKTS:** Avrupa Kredi Transfer Sistemi

Doç. Dr. Barış YILMAZ
Bölüm Başkanı

Sayfa | 2



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Mathematics I		
Course Code	ITP 1101	Activity Type	Compulsory
Semester	Autumn	Semester	1
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

clustersnumbersModular arithmetic, algebra conceptThe concept of polynomial and polynomial operationsConcepts and applications of ratio and proportionequationsinequalitiesMidterm ExamThe basic operations of functionsTypes of functions, parabola and the graphPiecewise linear function and graphThe absolute value function and graphExponential functionslogarithm

The Aim of Course

The student for the profession to gain the necessary competence to apply mathematical knowledge and skills to work.

Learning Outcomes

1. To be able to know counting numbers, natural numbers, integers, rational numbers and real numbers and to be able to do the arithmetic processing
2. To be able to do algebraic operations.
3. To be able to do operations with the functions.

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Course Content

Week	Topic	Content
Week 1	Theoretical	Cluster
	Practice	
	Laboratory	
Week 2	Theoretical	Numbers
	Practice	
	Laboratory	
Week 3	Theoretical	Modular arithmetic, algebra concept
	Practice	
	Laboratory	
	Theoretical	The concept of polynomial and polynomial operations



Week 4	Practice	
	Laboratory	
Week 5	Theoretical	Concepts and applications of ratio and proportion
	Practice	
	Laboratory	
Week 6	Theoretical	Equations
	Practice	
	Laboratory	
Week 7	Theoretical	Inequalities
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm Exam
	Practice	
	Laboratory	
Week 9	Theoretical	The basic operations of functions
	Practice	
	Laboratory	
Week 10	Theoretical	Types of functions, parabola and the graph
	Practice	
	Laboratory	
Week 11	Theoretical	Piecewise linear function and graph
	Practice	
	Laboratory	
Week 12	Theoretical	The absolute value function and graph
	Practice	
	Laboratory	
Week 13	Theoretical	Exponential functions
	Practice	
	Laboratory	
Week 14	Theoretical	logarithm
	Practice	
	Laboratory	
Week 15	Theoretical	logarithm
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	4	0	0	0	5	0	0	0	0
OC2	3	0	0	0	5	0	0	0	0
OC3	3	0	0	0	5	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Construction Materials		
Course Code	ITP 1103	Activity Type	Compulsory
Semester	Autumn	Semester	1
Course Language	Turkish	National Credit	3
Hours Per Week	3	ECTS	5
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Assoc. Prof. Dr. Barış YILMAZ
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

General properties of materials, Mechanical Properties, Hook law, Concrete and steel stress-strain curves in the drawing and Applications, Physical Characteristics, Chemical Properties, Metallic Materials, Plastics Materials, Applications.

The Aim of Course

The main aim of the course is to teach the general properties of the structural materials used in civil engineering.

Learning Outcomes

1. to be able to have the general knowledge on the construction materials
2. to be able to explain the mechanical properties of construction materials
3. to be able to explain the physical properties of construction materials
4. to be able to use the experimental tools that used in determination of material properties

Evaluation Criteria

Vize (%50) Final (%50)

Recommended or Required Reading

Lesson notes will be provided.

Course Content

Week	Topic	Content
Week 1	Theoretical	General properties of materials
	Practice	
	Laboratory	
Week 2	Theoretical	General properties of materials
	Practice	
	Laboratory	
Week 3	Theoretical	Mechanical Properties
	Practice	
	Laboratory	
Week 4	Theoretical	Mechanical Properties
	Practice	



	Laboratory	
Week 5	Theoretical	Concrete and steel stress-strain curves in the drawing and applications
	Practice	
	Laboratory	
Week 6	Theoretical	Concrete and steel stress-strain curves in the drawing and applications
	Practice	
	Laboratory	
Week 7	Theoretical	Technological properties of materials
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 9	Theoretical	Physical properties
	Practice	
	Laboratory	
Week 10	Theoretical	Physical properties
	Practice	
	Laboratory	
Week 11	Theoretical	Applications
	Practice	
	Laboratory	
Week 12	Theoretical	Chemical Properties.
	Practice	
	Laboratory	
Week 13	Theoretical	Metal materials
	Practice	
	Laboratory	
Week 14	Theoretical	Applications
	Practice	
	Laboratory	
Week 15	Theoretical	General summary
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	5	5	0	0	0	0	0	5
OC2	5	5	5	0	0	0	0	0	5
OC3	5	5	5	0	0	0	0	0	5
OC4	5	5	5	0	0	0	0	0	5



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Technical Drawing		
Course Code	ITP 1105	Activity Type	Compulsory
Semester	Autumn	Semester	1
Course Language	Turkish	National Credit	4
Hours Per Week	3	ECTS	5
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Angles, lines, arcs, and the geometric drawings make çokgenlerle. Projections and projection types, appearance understand the methods of extraction, a special appearance and draw help. Appearance and perspectives to make ölçülendirilmesini. To understand the need to get cross-section and the appropriate cross-sectional planes. Able to understand the perspective and the perspective drawings. Details invisible; Sizing: Standard dimensioning, standard symbols are used for machined surfaces, Sections, Perspective Drawings. Understanding the importance of size and shape with the position tolerance. Standards to define and determine surface quality.

The Aim of Course

Machine technicians are required to perform basic machine and can be read kavratabilmek official drawings.

Learning Outcomes

1. To be able to do basic machine drawings.
2. To be able to read machine drawings
3. To be able to understand the representation of machine elements with standards
4. To be able to express machine parts in the best and most competent way.
5. To be able to use basic machining, insert tolerances and shape-position tolerances.

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Textbook: 1- Bağcı, Mustafa, (1980) Makine Teknik Resmi MEB. 2- Şen, Zeki & Özçilingir, Nail (1995) Makine Meslek Resmi I, İstanbul 3- Şen, Zeki & Özçilingir, Nail (1995) Standart Makine Elemanları, İstanbul 4- TÜRKDEMİR, Kemal, Makine Resmi I ve Uygulama Yaprakları, Denizli Teaching Tool: -Teknik resim araç ve gereçleri.

Course Content

Week	Topic	Content
Week 1	Theoretical	Angle, Arc, Curve, Line and so on. geometric shapes, technical illustration drawing
	Practice	Drawing on the certificate of technical drawing geometric shapes.
	Laboratory	
Week 2	Theoretical	Making multiple partitions are circular and circular joints
	Practice	Drawing on the certificate of technical drawing circular shapes.



	Laboratory	
Week 3	Theoretical	Projection, extraction and appearance
	Practice	Sketch the appearanceextraction.
	Laboratory	
Week 4	Theoretical	Appearance and help removing the use ofappearances.
	Practice	Different parts of thecertificate of technicalaspects to drawpictures.
	Laboratory	
Week 5	Theoretical	Do not appear on the image to show detail.
	Practice	Different parts of thecertificate of technicalaspects to drawpictures.
	Laboratory	
Week 6	Theoretical	Measuring the implementation of rules and file.
	Practice	Measurement ofmachine parts.
	Laboratory	
Week 7	Theoretical	Measuring the implementation of rules and file.
	Practice	Measurement ofmachine parts.
	Laboratory	
Week 8	Theoretical	Midterm Exam
	Practice	Midterm exam
	Laboratory	
Week 9	Theoretical	Section types and codes of practice
	Practice	Cross-section drawingof the types of partsusing the machine.
	Laboratory	
Week 10	Theoretical	Section types and codes of practice
	Practice	Cross-section drawingof the types of partsusing the machine.
	Laboratory	
Week 11	Theoretical	Appearance, dimension, and recovery sections.
	Practice	Technical drawingpaper application.
	Laboratory	
Week 12	Theoretical	Surface finish symbols and codes of practice
	Practice	Technical drawingpaper application.
	Laboratory	
Week 13	Theoretical	Passing and implementing rules tolerances
	Practice	Technical drawingpaper application.
	Laboratory	
Week 14	Theoretical	Figure-position tolerances and application rules.
	Practice	Technical drawingpaper application.
	Laboratory	
Week 15	Theoretical	Installation and use of production photos
	Practice	Complete drawing of amechanism.
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	0	0	0	0	0	0	0	0
OC2	5	0	0	0	0	0	0	0	0
OC3	5	0	0	0	0	0	0	0	0
OC4	5	0	0	0	0	0	0	0	0
OC5	5	0	0	0	0	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Building Technology		
Course Code	ITP 1107	Activity Type	Compulsory
Semester	Autumn	Semester	1
Course Language	Turkish	National Credit	3
Hours Per Week	3	ECTS	5
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Structures, Ground survey, Application, Excavation Works, Shoring, Dilatations, Shallow foundations, Deep foundations.

The Aim of Course

Students should recognize the application areas of structural elements.

Learning Outcomes

1. To be able to draw application plans
2. To be able to apply excavations
3. To be able to apply shallow and deep foundations.

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Structure Technology lecture notes

Course Content

Week	Topic	Content
Week 1	Theoretical	Structures
	Practice	
	Laboratory	
Week 2	Theoretical	Ground survey
	Practice	
	Laboratory	
Week 3	Theoretical	Application
	Practice	
	Laboratory	
Week 4	Theoretical	Application
	Practice	
	Laboratory	
	Theoretical	Excavation works



Week 5	Practice	
	Laboratory	
Week 6	Theoretical	Shoring
	Practice	
	Laboratory	
Week 7	Theoretical	Shoring
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm Exam
	Practice	
	Laboratory	
Week 9	Theoretical	Dilatations
	Practice	
	Laboratory	
Week 10	Theoretical	Dilatations
	Practice	
	Laboratory	
Week 11	Theoretical	Shallow foundations
	Practice	
	Laboratory	
Week 12	Theoretical	Shallow foundations
	Practice	
	Laboratory	
Week 13	Theoretical	Deep foundations
	Practice	
	Laboratory	
Week 14	Theoretical	Deep foundations
	Practice	
	Laboratory	
Week 15	Theoretical	Deep foundations
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	5	5	0	0	5	0	0	0
OC2	0	5	5	0	0	5	0	0	0
OC3	0	5	5	0	0	5	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Structural Analysis		
Course Code	ITP 1109	Activity Type	Compulsory
Semester	Autumn	Semester	1
Course Language	Turkish	National Credit	3
Hours Per Week	3	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. SEDA DURUKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

The student accounts and graphic drawings of the internal force of isostatic beams, isostatic plane frames and graphic drawings of the internal force accounts, the accounts of isostatic forces in plane truss rod, three hinges and graphic drawings of the accounts of internal force, able to do.

The Aim of Course

With this course, students identify and design features of internal forces for statically determinate structural systems that can determine the necessary information and determine the magnitude of fluid pressure will be able to force the water from the submerged surfaces.

Learning Outcomes

1. To be able to understand isostatic beams and graphic drawings of the accounts of the internal force
2. To be able to solve isostatic plane frames and graphic drawings of the accounts of internal force.
3. To be able to determinate plane truss rod forces calculations statically.
4. To be able to find the internal force to make the accounts of three hinges and graphic drawings.

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

BOOK 1. Lecture notes prepared by the teacher in charge of the course will be used. 2. Structural Analysis of all the books, pamphlets, magazines and web pages

Course Content

Week	Topic	Content
Week 1	Theoretical	Isostatic Beams
	Practice	
	Laboratory	
Week 2	Theoretical	Isostatic Beams
	Practice	
	Laboratory	
Week 3	Theoretical	Isostatic Beams
	Practice	
	Laboratory	



Week 4	Theoretical	Isostatic plane frames
	Practice	
	Laboratory	
Week 5	Theoretical	Isostatic plane frames
	Practice	
	Laboratory	
Week 6	Theoretical	Statically determinate plane trusses
	Practice	
	Laboratory	
Week 7	Theoretical	Statically determinate plane trusses
	Practice	
	Laboratory	
Week 8	Theoretical	Mid-term
	Practice	
	Laboratory	
Week 9	Theoretical	Systems of three hinges
	Practice	
	Laboratory	
Week 10	Theoretical	Systems of three hinges
	Practice	
	Laboratory	
Week 11	Theoretical	Systems of three hinges
	Practice	
	Laboratory	
Week 12	Theoretical	Hydrostatic force
	Practice	
	Laboratory	
Week 13	Theoretical	Hydrostatic force acting point
	Practice	
	Laboratory	
Week 14	Theoretical	Hydrostatic force acting point
	Practice	
	Laboratory	
Week 15	Theoretical	Hydrostatic force acting point
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	3	3	0	0	0	5	0	0
OC2	5	3	3	0	0	0	5	0	0
OC3	5	2	2	0	0	0	5	0	0
OC4	5	2	2	0	0	0	5	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Surveying		
Course Code	ITP 1111	Activity Type	Compulsory
Semester	Autumn	Semester	1
Course Language	Turkish	National Credit	4
Hours Per Week	3	ECTS	5
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Soil measure techniques: soil measure demand, length measure systems and scales. Angle kinds, coordinate systems, topographical terms, soil measure methods, measuring in soil which have obstacles, descent and ascent perpendicular in soil, using steel tape measure and make adjusting to measures. Transform slant measures to horizontal. Using surveyor, tachometer, driving bevel pale. Levelment works. Electronic soil measure appliance: GPS measure system, working method of GPS appliance, valuing of GPS results, application in measuring.

The Aim of Course

With this lesson, student should make soil measure application and substructure calculations for career.

Learning Outcomes

1. To be able to make installation and settings to soil measure device,
2. To be able to calculate area and bulk for dig and fill platform by using soil measure
3. To be able to bare the soil profile by using formed measure results

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

İnal. C., Erdi. A., Yıldız F., 2011. Topografya ölçme bilgisi, 266 p., Web sites notes, about lesson.

Course Content

Week	Topic	Content
Week 1	Theoretical	Soil measure techniques
	Practice	Soil measure techniques
	Laboratory	
Week 2	Theoretical	Soil measure techniques
	Practice	Soil measure techniques
	Laboratory	
Week 3	Theoretical	Soil measure techniques
	Practice	Soil measure techniques
	Laboratory	
	Theoretical	Levelment works



Week 4	Practice	Levelment works
	Laboratory	
Week 5	Theoretical	Levelment works
	Practice	Levelment works
	Laboratory	
Week 6	Theoretical	Electronical soil measure appliances
	Practice	Electronical soil measure appliances
	Laboratory	
Week 7	Theoretical	Electronical soil measure appliances
	Practice	Electronical soil measure appliances
	Laboratory	
Week 8	Theoretical	Midterm
	Practice	
	Laboratory	
Week 9	Theoretical	Constitute cross-section
	Practice	Constitute cross-section
	Laboratory	
Week 10	Theoretical	Constitute cross-section
	Practice	Constitute cross-section
	Laboratory	
Week 11	Theoretical	Constitute cross-sectioning
	Practice	Constitute cross-sectioning
	Laboratory	
Week 12	Theoretical	Constitute cross-sectioning
	Practice	Constitute cross-sectioning
	Laboratory	
Week 13	Theoretical	Dimensional drawing measures
	Practice	Soil applications
	Laboratory	
Week 14	Theoretical	Dimensional drawing measures
	Practice	Soil applications
	Laboratory	
Week 15	Theoretical	Soil applications and general repeat
	Practice	Soil applications and general repeat
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	0	5	0	3	0	0	0	0
OC2	5	0	5	0	4	0	0	0	0
OC3	5	0	5	0	5	0	0	0	5
OC4	5	0	5	0	4	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Communication and Ethics		
Course Code	ITP 1113	Activity Type	Compulsory
Semester	Autumn	Semester	1
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	2
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Assoc. Prof. Dr. Barış YILMAZ
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

In this course students will learn ethical concept, ethical definition, moral development process, ethical rules, ethical systems, ethical relationship with society, ethical questioning, social corruption, professional ethics, ethics in business life, professional corruption.

The Aim of Course

Gain skills to the students, working in accordance with ethical rules in business life

Learning Outcomes

1. To be able to have the knowledge and skills to provide suitable environment for work ethic at work
2. To be able to develop positive ideas about the concept of ethics
3. To be able to understand the principles of occupational ethics

Evaluation Criteria

Vize (%50) Final (%50)

Recommended or Required Reading

MEGEP notes

Course Content

Week	Topic	Content
Week 1	Theoretical	Definition of ethics
	Practice	
	Laboratory	
Week 2	Theoretical	Moral Development process
	Practice	
	Laboratory	
Week 3	Theoretical	Ethical rules
	Practice	
	Laboratory	
Week 4	Theoretical	Ethical systems: Intended result EticRule of ethics
	Practice	
	Laboratory	



Week 5	Theoretical	Ethical systems:Social contract ethicsPersonal EthicsSocial life ethic
	Practice	
	Laboratory	
Week 6	Theoretical	Relationship between ethic and society
	Practice	
	Laboratory	
Week 7	Theoretical	Consequences of acting in accordance with Ethical Values
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm
	Practice	
	Laboratory	
Week 9	Theoretical	Social corruption and varieties
	Practice	
	Laboratory	
Week 10	Theoretical	The concept of professional ethics
	Practice	
	Laboratory	
Week 11	Theoretical	Professional Ethics Principles:AccuracylegalityReliabilityCommitment to the Job
	Practice	
	Laboratory	
Week 12	Theoretical	Ethical and non-ethical issues in business life
	Practice	
	Laboratory	
Week 13	Theoretical	Professional Corruption
	Practice	
	Laboratory	
Week 14	Theoretical	Consequences of appropriate behaviors in Work Ethics
	Practice	
	Laboratory	
Week 15	Theoretical	Ethical questioning
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	0	5	5	0	0	0	0
OC2	0	0	0	5	5	0	0	0	0
OC3	0	0	0	5	5	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Mathematics II		
Course Code	ITP 1102	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Matrices, trigonometric functions, basic trigonometry, basic trigonometry, differentiation, Mid-Term, Differentiation, Function graphs, Integration, the volume and center of gravity, the volume and center of gravity calculations Integrals, continuity, basic trigonometry, limits, equation systems, Matrices

The Aim of Course

The student for the profession to gain the necessary competence to apply mathematical knowledge and skills to work.

Learning Outcomes

1. To be able to do the processes of trigonometry and to adapt to the profession.
2. To be able to do the processes of derivative and to adapt to the profession.
3. To be able to do the processes of integral and to adapt to the profession.
4. To be able to do the processes of matrix and to adapt to the profession.

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Course Content

Week	Topic	Content
Week 1	Theoretical	Basic trigonometry
	Practice	
	Laboratory	
Week 2	Theoretical	Basic trigonometry
	Practice	
	Laboratory	
Week 3	Theoretical	Trigonometric Functions
	Practice	
	Laboratory	
Week 4	Theoretical	Matrices
	Practice	



	Laboratory	
Week 5	Theoretical	Matrices
	Practice	
	Laboratory	
Week 6	Theoretical	Systems of equations
	Practice	
	Laboratory	
Week 7	Theoretical	Limit
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm Exam
	Practice	
	Laboratory	
Week 9	Theoretical	Continuity
	Practice	
	Laboratory	
Week 10	Theoretical	Derivative
	Practice	
	Laboratory	
Week 11	Theoretical	Derivative
	Practice	
	Laboratory	
Week 12	Theoretical	Function charts
	Practice	
	Laboratory	
Week 13	Theoretical	Integral
	Practice	
	Laboratory	
Week 14	Theoretical	Integral
	Practice	
	Laboratory	
Week 15	Theoretical	Integral area, volume and center of gravity
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	0	0	0	5	0	0	0	0
OC2	5	0	0	0	4	0	0	0	0
OC3	5	0	0	0	4	0	0	0	0
OC4	5	0	0	0	4	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Research Met Hods and Technics		
Course Code	ITP 1104	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Assoc. Prof. Dr. Barış YILMAZ
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Selecting research topics, making resource exploration, research, outcome assessment, converting research results into a report, presentation preparation, to presentation.

The Aim of Course

In this course, it is intended to gain the competency to conduct researches.

Learning Outcomes

1. To be able to make research
2. To be able to prepare report
3. To be able to present the research

Evaluation Criteria

Midterms (%40) Final (%60)

Recommended or Required Reading

Lesson notes will be provided.

Course Content

Week	Topic	Content
Week 1	Theoretical	The definition and importance of science
	Practice	
	Laboratory	
Week 2	Theoretical	The purpose and types of scientific research
	Practice	
	Laboratory	
Week 3	Theoretical	Planning a survey
	Practice	
	Laboratory	
Week 4	Theoretical	Data types and data collection methods
	Practice	
	Laboratory	
	Theoretical	The preparation of survey forms



Week 5	Practice	
	Laboratory	
Week 6	Theoretical	Examination of the research
	Practice	
	Laboratory	
Week 7	Theoretical	The rules of referencing and writing
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 9	Theoretical	Research presentations
	Practice	
	Laboratory	
Week 10	Theoretical	Research presentations
	Practice	
	Laboratory	
Week 11	Theoretical	Research presentations
	Practice	
	Laboratory	
Week 12	Theoretical	Research presentations
	Practice	
	Laboratory	
Week 13	Theoretical	Research presentations
	Practice	
	Laboratory	
Week 14	Theoretical	Research presentations
	Practice	
	Laboratory	
Week 15	Theoretical	General summary
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	0	5	5	5	0	0	0
OC2	0	0	0	5	5	5	0	0	0
OC3	0	0	0	5	5	5	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Concrete Technology		
Course Code	ITP 1108	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Aggregates and their properties, and properties of cement, concrete and properties

The Aim of Course

Concrete and concrete used in the production of materials properties can comprehend

Learning Outcomes

1. to be able to explain the aggregates and its characteristics
2. to be able to explain the cement and its characteristics
3. to be able to evaluate the various effects of the components on concrete features
4. to be able to make the concrete experiments

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Lecture notes.

Course Content

Week	Topic	Content
Week 1	Theoretical	Consistency in Cement, Cement Socket.
	Practice	
	Laboratory	
Week 2	Theoretical	Volume Stability Strength Cement Cement aggregates aggregates Sieve Analysis Unit
	Practice	
	Laboratory	
Week 3	Theoretical	Cement Specific Gravity
	Practice	
	Laboratory	
Week 4	Theoretical	Strength in Cement.
	Practice	
	Laboratory	



Week 5	Theoretical	Unit Volume and Specific Gravity aggregates.
	Practice	
	Laboratory	
Week 6	Theoretical	Sieve analysis of aggregates.
	Practice	
	Laboratory	
Week 7	Theoretical	Water Absorption Rate of aggregates, abrasion loss aggregates, fine aggregates of fine
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm exam.
	Practice	
	Laboratory	
Week 9	Theoretical	Unit volume weight of concrete to make the experiment.
	Practice	
	Laboratory	
Week 10	Theoretical	Consistency Tests to make concrete.
	Practice	
	Laboratory	
Week 11	Theoretical	Pressure Test to make concrete.
	Practice	
	Laboratory	
Week 12	Theoretical	Making Concrete Core Test.
	Practice	
	Laboratory	
Week 13	Theoretical	Using Concrete Mineral Additives, Mineral Additive use in concrete.
	Practice	
	Laboratory	
Week 14	Theoretical	Concrete Transportation and Breakdown, Concrete Care.
	Practice	
	Laboratory	
Week 15	Theoretical	Concrete Transportation and Breakdown, Concrete Care.
	Practice	
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	5	5	0	0	0	0	0	5
OC2	5	5	5	0	0	0	0	0	5
OC3	5	5	5	0	0	0	0	0	5
OC4	5	5	5	0	0	0	0	0	5



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Soil Mechanics I		
Course Code	ITP 1110	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. SEDA DURUKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

General formation of soil, methods of sampling and drilling, water content, soil investigation sheet, sieve analysis, specific gravity, natural unit weight (sand cone method), grain size distribution of fine particles (hydrometer method), consistency limits and tests, soil classification, water in soil and stress in soil.

The Aim of Course

With this course, the students will be able to determine the engineering properties of soils by using soil mechanics laboratory equipment, classify the soils and explain the concept of effective stress.

Learning Outcomes

1. To be able to explain the formation of soils, can understand the relationships between the basic physical properties of soils
2. To be able to use experimental methods of determining the physical properties of soils
3. To be able to classify soils, can apply and interpret sieve analysis and consistency limits tests
4. To be able to describe the movement of water in the ground
5. To be able to calculate stress in soil and explain the concept of effective stress

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Özaydın K., 2008, Zemin Mekaniği, Birsen Yayınevi, ISBN: 978-975-511-145-2 Yılmaz I., Yıldırım M., Keskin İ., 2009, Zemin Mekaniği Laboratuar Deneyleri ve Problemler, Teknik Yayınevi, ISBN: 978-975-523-043-6

Course Content

Week	Topic	Content
Week 1	Theoretical	Geological structure of Turkey, rocks and their formations
	Practice	
	Laboratory	
Week 2	Theoretical	Eartquakes and earthquake regions of Turkey
	Practice	
	Laboratory	
Week 3	Theoretical	Ground investigation methods
	Practice	
	Laboratory	



Week 4	Theoretical	Methods of sampling and drilling
	Practice	
	Laboratory	
Week 5	Theoretical	Physical properties of soils
	Practice	
	Laboratory	
Week 6	Theoretical	Physical properties of soils
	Practice	
	Laboratory	
Week 7	Theoretical	Soil classification
	Practice	
	Laboratory	
Week 8	Theoretical	Soil classification
	Practice	
	Laboratory	
Week 9	Theoretical	Midterm
	Practice	
	Laboratory	
Week 10	Theoretical	
	Practice	
	Laboratory	Sieve analysis
Week 11	Theoretical	
	Practice	
	Laboratory	Consistency limits
Week 12	Theoretical	
	Practice	Soil classification
	Laboratory	
Week 13	Theoretical	Soil permeability
	Practice	
	Laboratory	
Week 14	Theoretical	Water in soil and flow
	Practice	
	Laboratory	
Week 15	Theoretical	Stress in soil
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	2	2	0	0	0	0	0	0	5
OC2	2	0	0	0	0	0	0	0	5
OC3	2	0	0	0	0	0	0	0	5
OC4	2	2	0	0	0	0	0	0	0
OC5	2	3	0	0	0	0	0	0	3



Manisa Celal Bayar University
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Construction Technology
The Course Description Form

Course Name	Computer Aided Drawing		
Course Code	ITP 1112	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Basics of Using Oriented CAD System, Coordinate Systems, Drawing geometry, CAD System for the Architectural Drawing, CAD System and Drawing of Reinforced Concrete Elements

The Aim of Course

To ensure the drawing skills in a CAD platform

Learning Outcomes

1. To be able to explain the CAD system and software
2. To be able to make drawings in a CAD platform

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Computer Aided Design lecture notes

Course Content

Week	Topic	Content
Week 1	Theoretical	Basics of Using Oriented CAD System
	Practice	
	Laboratory	
Week 2	Theoretical	Coordinate systems
	Practice	
	Laboratory	
Week 3	Theoretical	Coordinate systems
	Practice	
	Laboratory	
Week 4	Theoretical	Drawing geometry
	Practice	
	Laboratory	
Week 5	Theoretical	Drawing geometry
	Practice	



	Laboratory	
Week 6	Theoretical	Drawing geometry
	Practice	
	Laboratory	
Week 7	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 8	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 9	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 10	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 11	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 12	Theoretical	CAD System and Drawing of Reinforced Concrete Elements
	Practice	
	Laboratory	
Week 13	Theoretical	CAD System and Drawing of Reinforced Concrete Elements
	Practice	
	Laboratory	
Week 14	Theoretical	CAD System and Drawing of Reinforced Concrete Elements
	Practice	
	Laboratory	
Week 15	Theoretical	CAD System and Drawing of Reinforced Concrete Elements
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	3	0	0	4	3	0	0
OC2	0	0	3	0	0	3	5	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Social Responsibility		
Course Code	ITP 1114	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	1
Hours Per Week	1	ECTS	1
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

In this course, students will learn about social responsibility concept, purpose and importance; The development of social responsibility in society; Civil society organizations and their places in social responsibility, social responsibility projects in the world and in Turkey.

The Aim of Course

It is expected from students to 1. identify environmental problems like social, natural, cultural and so on. 2. to develop interdisciplinary cooperation for the solution of the problem, 3. Continuity without compromising the process objective, 4. to share their results with the public.

Learning Outcomes

1. To be able to identify problems that concern social life
2. To be able to find solutions to existing problems and to be able to produce projects
3. To be able to do interdisciplinary studies

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Course Content

Week	Topic	Content
Week 1	Theoretical	Social Responsibility Concept, aim and importance
	Practice	
	Laboratory	
Week 2	Theoretical	History of Social Responsibility
	Practice	
	Laboratory	
Week 3	Theoretical	Development of Social Responsibility
	Practice	
	Laboratory	
Week 4	Theoretical	Relationship between community and social responsibility
	Practice	



	Laboratory	
Week 5	Theoretical	Relationship between individual and social responsibility
	Practice	
	Laboratory	
Week 6	Theoretical	Concept of social responsibility on the basis of occupations
	Practice	
	Laboratory	
Week 7	Theoretical	Definition, mission and purpose of civil society organizations
	Practice	
	Laboratory	
Week 8	Theoretical	Civil society organizations' place in social responsibility projects
	Practice	
	Laboratory	
Week 9	Theoretical	midterm
	Practice	
	Laboratory	
Week 10	Theoretical	Social responsibility projects in the world and Turkey
	Practice	
	Laboratory	
Week 11	Theoretical	Phantasmal phases of social responsibility projects
	Practice	
	Laboratory	
Week 12	Theoretical	Identification of student projects
	Practice	
	Laboratory	
Week 13	Theoretical	
	Practice	Project presentations
	Laboratory	
Week 14	Theoretical	
	Practice	Project presentations
	Laboratory	
Week 15	Theoretical	
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	0	0	0	0	4	4	4
OC2	0	0	0	0	0	0	5	5	5
OC3	0	0	0	0	0	0	5	4	4



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Construction Technology

Construction Technology

The Course Description Form

Course Name	Strength of Materials		
Course Code	ITP 1118	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	3
Hours Per Week	3	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. SEDA DURUKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Center of gravity and moment of inertia of the structure elementlerinin presence of tensile stress, pressure, tension, shear and bending stress at the bottom of gerimesi elementlerinin sectional analysis of the structure.

The Aim of Course

With this course, students determine the effect of structural elements in the design strength and sectional properties of objects, according to the appropriate section in the cross-sectional analysis of the effects will be able to.

Learning Outcomes

1. To be able to coordinate the center of gravity to make the cross-section to make the accounts of a structural member
2. To be able to coordinate presence of cross section moment of inertia to make the accounts of a structural member
3. To be able to calculate the cross-sectional analysis of the structural elements to make the accounts of the influence of tensile and compression
4. To be able to calculate the shear (cut) or bending cross-sectional analysis of structural elements exposed to the accounts of the making

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

BOOK 1 -), Professor. Strength of Materials-1992-Istanbul, Turkey Mustafa Inan-

Course Content

Week	Topic	Content
Week 1	Theoretical	center of gravity
	Practice	
	Laboratory	
Week 2	Theoretical	center of gravity
	Practice	
	Laboratory	
Week 3	Theoretical	Moment of inertia
	Practice	
	Laboratory	
	Theoretical	Moment of inertia



Week 4	Practice	
	Laboratory	
Week 5	Theoretical	Tensile Stress
	Practice	
	Laboratory	
Week 6	Theoretical	Tensile Stress
	Practice	
	Laboratory	
Week 7	Theoretical	Compressive Stress
	Practice	
	Laboratory	
Week 8	Theoretical	Mid-term
	Practice	
	Laboratory	
Week 9	Theoretical	Compressive Stress
	Practice	
	Laboratory	
Week 10	Theoretical	Tensile and Compressive Stress
	Practice	
	Laboratory	
Week 11	Theoretical	Shear Stress
	Practice	
	Laboratory	
Week 12	Theoretical	Shear Stress
	Practice	
	Laboratory	
Week 13	Theoretical	Uniaxial Bending
	Practice	
	Laboratory	
Week 14	Theoretical	Uniaxial Bending
	Practice	
	Laboratory	
Week 15	Theoretical	Uniaxial Bending
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	2	2	0	0	0	3	0	0
OC2	5	2	2	0	0	0	3	0	0
OC3	5	3	2	0	0	0	3	0	0
OC4	5	3	2	0	0	0	3	0	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Office and Site Organization		
Course Code	ITP 1120	Activity Type	Compulsory
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

The preparatory stages of the structure, design and site installation of Reconstruction Act and regulations made learned, progress payments made to calculate and production acceptance.

The Aim of Course

With this course, students, office environment, organize the necessary documentation, site environment, to prepare the work program be made available to inspect productions.

Learning Outcomes

1. To be able to edit office documents required before the installation of the work site
2. To be able to organise the installation work in the construction site
3. To be able to get ready for the manufacturing jobs necessary for the work site
4. To be able to conduct the audit work necessary for the proper execution of the work program productions
5. To be able to edit the assumptions to make the manufacturing, progress payments

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

BOOK 1 -), Construction Management and Cost Analysis; A.PACARCI, Doc.Dr.M.Emin ÖCAL, Wiley, Istanbul, 2002

Course Content

Week	Topic	Content
Week 1	Theoretical	Preparation structure, Zoning Law and Zoning Regulations
	Practice	
	Laboratory	
Week 2	Theoretical	Worksite Setup
	Practice	
	Laboratory	
Week 3	Theoretical	Work program
	Practice	
	Laboratory	
	Theoretical	Production at the Site Preparation



Week 4	Practice	
	Laboratory	
Week 5	Theoretical	Manufacturing Teams
	Practice	
	Laboratory	
Week 6	Theoretical	application Studies
	Practice	
	Laboratory	
Week 7	Theoretical	Excavation Works
	Practice	
	Laboratory	
Week 8	Theoretical	Mid-term
	Practice	
	Laboratory	
Week 9	Theoretical	Construction Books
	Practice	
	Laboratory	
Week 10	Theoretical	Works Bureau
	Practice	
	Laboratory	
Week 11	Theoretical	Manufacturing Control
	Practice	
	Laboratory	
Week 12	Theoretical	Preparation of the vesting
	Practice	
	Laboratory	
Week 13	Theoretical	Preparation of the vesting
	Practice	
	Laboratory	
Week 14	Theoretical	Provisional and Final Acceptance
	Practice	
	Laboratory	
Week 15	Theoretical	Provisional and Final Acceptance
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	0	5	0	3	0	0	0	0
OC2	5	0	5	0	4	0	0	0	0
OC3	5	0	5	0	5	0	0	0	0
OC4	5	0	4	0	5	0	0	0	0
OC5	5	0	4	0	5	0	0	0	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Entrepreneurship		
Course Code	ITP 1220	Activity Type	Optional
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Testing of entrepreneurial characteristics, business idea development and creativity exercises, business plan concept and items (market research, marketing plan, production plan, management plan, financial plan), Workshop studies to consolidate business plan items, Writing and presentation of the business plan.

The Aim of Course

This course enables to gain the key factors for the students who will be engaged to work in private sector, and also entrepreneurial cultures to those who have the potential to work. It is aimed that the students who have the potential of entrepreneurship are able to use and develop these features. Examination of the examples and creation of new ideas, legal, financial, economical evaluation of entrepreneurship will increase the motivation of the students. Students who are successful in this course will also be entitled to Small and Medium Sized Enterprises Development Organisation "ENTREPRENEURSHIP" certificate.

Learning Outcomes

1. To be able to question the characteristics of his own entrepreneurship from the characteristics of entrepreneurship
2. To be able to compare the activities related to types of entrepreneurship
3. To be able to develop his own entrepreneurship characteristics by evaluating entrepreneurship traits of successful entrepreneurship

Evaluation Criteria

txtDegerlendirmeKriteri

Recommended or Required Reading

1. Yavuz Odabaşı (editor), Entrepreneurship, Anadolu University Publishing no: 1567, 2004.2. Tamer Müftüoğlu and Tülin Durukan, Entrepreneurship and Small and Medium Sized Enterprises, Gazi Book store, 2004.3. Semra Arkan, Entrepreneurship: Basic Concepts and Some current issues, Siyasal Bookstore, 2002.4. R. Hisrich, Michael Peters ve Dean Shepherd, Entrepreneurship, McGraw Hill, Fourth Edition, 2006.5. G. Yukl, Leadership in Organizations, Prentice Hall, 2006.6. Leaders and the Leadership Process Readings, Self-Assessments, and Applications, Pierce, McGraw Hill, 2003 7. P.Lambing ve C.Kuehl, Entrepreneurship, Prentice Hall, 4. Edition, 2007. ISBN: 0-13-228174-0.

Course Content

Week	Topic	Content
Week 1	Theoretical	Basic concepts of entrepreneurship and entrepreneurshipFactors affecting
	Practice	



	Laboratory	
Week 2	Theoretical	Testing of entrepreneurship features, business idea development and creativity exercises
	Practice	
	Laboratory	
Week 3	Theoretical	Responsible entrepreneurship concept and sharing of experience
	Practice	
	Laboratory	
Week 4	Theoretical	Business concept, business functions
	Practice	
	Laboratory	
Week 5	Theoretical	Types of businesses, types of organizations
	Practice	
	Laboratory	
Week 6	Theoretical	Financial and legal responsibilities Business plan concept and items (Market research,
	Practice	
	Laboratory	
Week 7	Theoretical	Financial and legal responsibilities Business plan concept and items (Market research,
	Practice	
	Laboratory	
Week 8	Theoretical	Mid-term Exam
	Practice	
	Laboratory	
Week 9	Theoretical	Business plan concept and items (Production plan)
	Practice	
	Laboratory	
Week 10	Theoretical	Business plan concept and items (Management plan)
	Practice	
	Laboratory	
Week 11	Theoretical	Business plan concept and items (Financial Plan)
	Practice	
	Laboratory	
Week 12	Theoretical	Workshop studies on business model and business plan (Market research, Marketing
	Practice	
	Laboratory	
Week 13	Theoretical	Workshop studies on business model and work plan (Production plan)
	Practice	
	Laboratory	
Week 14	Theoretical	Workshop studies on business model and work plan (management plan)
	Practice	
	Laboratory	
Week 15	Theoretical	Workshop studies on business model and business plan (Financial plan)
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	4	0	5	0	0	5	0	0	0
OC2	5	0	5	0	0	5	0	0	0
OC3	5	0	5	0	0	5	0	0	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Business Administration		
Course Code	ITP 1222	Activity Type	Optional
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

The basic concepts of enterprise, purposes of enterprise, types of enterprise, choice of establishment location, business size, choice of capacity, functions of enterprise (management, production, marketing, finance)

The Aim of Course

To learn the purposes, characteristics and types of enterprise, to understand the establishment stages and functions of enterprise.

Learning Outcomes

1. To be able to learn the types of enterprise.
2. To be able to explain the establishment stages and location choice of enterprise.
3. To be able to understand the business size, capacity and capacity types.

Evaluation Criteria

txtDegerlendirmeKriteri

Recommended or Required Reading

Zeyyat SABUNCUOGLU and Tuncer TOKOL, (2016), Business Administration, Alfa Aktüel Publications, Bursa.İsmet MUCUK, (2013), Modern Business Administration, Türkmen Bookstore, İstanbul. İlknur KUMKALE, (2007), Business Management, Apb Publishing Company, Trabzon.

Course Content

Week	Topic	Content
Week 1	Theoretical	The definition of enterprise, the basic concepts of enterprise
	Practice	
	Laboratory	
Week 2	Theoretical	The purposes of enterprise
	Practice	
	Laboratory	
Week 3	Theoretical	The relationships between enterprise and its environment, responsibilities of enterprise
	Practice	
	Laboratory	
Week 4	Theoretical	The types of enterprises
	Practice	



	Laboratory	
Week 5	Theoretical	Enterprise establishment studies, choice of location
	Practice	
	Laboratory	
Week 6	Theoretical	Business size, capacity and capacity types
	Practice	
	Laboratory	
Week 7	Theoretical	The functions of enterprise
	Practice	
	Laboratory	
Week 8	Theoretical	The definition, characteristics and functions of management, historical development of
	Practice	
	Laboratory	
Week 9	Theoretical	Mid-term Exam
	Practice	
	Laboratory	
Week 10	Theoretical	The definition and characteristics of production, types of production system
	Practice	
	Laboratory	
Week 11	Theoretical	The definition of marketing, functions of marketing management
	Practice	
	Laboratory	
Week 12	Theoretical	Marketing research
	Practice	
	Laboratory	
Week 13	Theoretical	The definition and importance of finance, financial resources of enterprise
	Practice	
	Laboratory	
Week 14	Theoretical	Human resources management
	Practice	
	Laboratory	
Week 15	Theoretical	Business interviews
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	4	0	4	0	0	0	0	5	0
OC2	4	0	4	0	0	0	0	5	0
OC3	4	0	4	0	0	0	0	5	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Quality Assurance Standards		
Course Code	ITP 1224	Activity Type	Optional
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

The Concept of Quality, Standards and Standardization, the importance of the standard manufacturing and service sector, management quality and standards, environmental standards for quality and standards of Directors Environmental standards, Quality management system models, models of quality management system, strategic management, strategic management to participate in management, process management system, resource management system, resource management system, the EFQM Excellence Model, the production quality control inspection and sampling, inspection and sampling of Total Quality Control, Total Quality Control , Control Charts, Statistical Distributions.

The Aim of Course

Quality, standardization and to provide information about environmental standards.

Learning Outcomes

1. To be able to define environmental standards and resource management systems
2. To be able to protect the health and safety of human life
3. To be able to facilitate the exchange of information and agreements between related groups

Evaluation Criteria

txtDegerlendirmeKriteri

Recommended or Required Reading

Reflective, mass media, calculation tools, paper, pencil, eraser, lecture notes

Course Content

Week	Topic	Content
Week 1	Theoretical	The concept of quality
	Practice	
	Laboratory	
Week 2	Theoretical	The concept of quality and standardization
	Practice	
	Laboratory	
Week 3	Theoretical	Standards and standardization
	Practice	



	Laboratory	
Week 4	Theoretical	The importance of manufacturing and service sector of the standard
	Practice	
	Laboratory	
Week 5	Theoretical	The importance of manufacturing and service sector of the standard
	Practice	
	Laboratory	
Week 6	Theoretical	EFQM Excellence Model, the production quality control
	Practice	
	Laboratory	
Week 7	Theoretical	Strategic management, participation in management
	Practice	
	Laboratory	
Week 8	Theoretical	Strategic management, participation in management
	Practice	
	Laboratory	
Week 9	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 10	Theoretical	Process management system
	Practice	
	Laboratory	
Week 11	Theoretical	Quality management system models
	Practice	
	Laboratory	
Week 12	Theoretical	Control charts
	Practice	
	Laboratory	
Week 13	Theoretical	Inspection and sampling
	Practice	
	Laboratory	
Week 14	Theoretical	Total quality control
	Practice	
	Laboratory	
Week 15	Theoretical	Statistical distributions
	Practice	
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	5	4	0	0	0	0	5	0
OC2	4	5	4	0	0	0	0	5	0
OC3	4	3	4	0	0	0	0	5	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Information and Communication Technologies		
Course Code	ITP 1226	Activity Type	Optional
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

To use the facilities the information technologies and the electronic environment, to use word processor, worksheet, slide programs

The Aim of Course

Developing himself / herself using the facilities of the information technologies

Learning Outcomes

1. The ability of communicating in internet environment
2. The ability of making an application for a job in the internet
3. The ability of organizing digital data

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Internet resources

Course Content

Week	Topic	Content
Week 1	Theoretical	Internet and Internet Explorer
	Practice	
	Laboratory	
Week 2	Theoretical	Management of Electronic E-Mails
	Practice	
	Laboratory	
Week 3	Theoretical	News groups / Forums
	Practice	
	Laboratory	
Week 4	Theoretical	Web-Based Learning
	Practice	
	Laboratory	



Week 5	Theoretical	Preparing Personal Web Site
	Practice	
	Laboratory	
Week 6	Theoretical	Electronic Business Trade
	Practice	
	Laboratory	
Week 7	Theoretical	CV at Word Processor Program
	Practice	
	Laboratory	
Week 8	Theoretical	Mid-term Exam
	Practice	
	Laboratory	
Week 9	Theoretical	Internet and carrier, Job Interview Preparation
	Practice	
	Laboratory	
Week 10	Theoretical	Worksheet
	Practice	
	Laboratory	
Week 11	Theoretical	Formulas and Functions
	Practice	
	Laboratory	
Week 12	Theoretical	Graphics
	Practice	
	Laboratory	
Week 13	Theoretical	Preparing Slides
	Practice	
	Laboratory	
Week 14	Theoretical	Preparing Identifier Materials
	Practice	
	Laboratory	
Week 15	Theoretical	Preparing Identifier Materials
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	0	0	4	5	0	0	0
OC2	0	0	0	0	4	5	0	0	0
OC3	0	0	3	0	4	5	3	0	4



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Environmental Management		
Course Code	ITP 1228	Activity Type	Optional
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

This course will cover the concepts of environmental health and health determinants, food safety, population growth and environmental health, the approach to environmental problems, and environmental health in the world and in Turkey

The Aim of Course

The aim of this course is to learn the effects of the health of the environment, to understand the environmental problems brought about by population growth and development and to evaluate them with the employee health approach.

Learning Outcomes

1. To be able to summarize environmental health problems
2. To be able to explain the events leading to environmental pollution
3. To be able to express what to do in order to prevent environmental pollution

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Lecture Notes, Powerpoint Presentations, Web pages related to the subject

Course Content

Week	Topic	Content
Week 1	Theoretical	Environmental Health Concept and Health Determinators
	Practice	None
	Laboratory	None
Week 2	Theoretical	Air pollution
	Practice	None
	Laboratory	None
Week 3	Theoretical	Water pollution
	Practice	None
	Laboratory	None
Week 4	Theoretical	Solid Waste
	Practice	None



	Laboratory	None
Week 5	Theoretical	Radiation
	Practice	None
	Laboratory	None
Week 6	Theoretical	Noise
	Practice	None
	Laboratory	None
Week 7	Theoretical	Food safety
	Practice	None
	Laboratory	None
Week 8	Theoretical	Mid-Term Exam
	Practice	None
	Laboratory	None
Week 9	Theoretical	Population Growth and Environment
	Practice	None
	Laboratory	None
Week 10	Theoretical	Artificial Environment
	Practice	None
	Laboratory	None
Week 11	Theoretical	Employee Health
	Practice	None
	Laboratory	None
Week 12	Theoretical	Occupational Diseases, Accidents and Poisoning
	Practice	None
	Laboratory	None
Week 13	Theoretical	Protective Measures in Environmental Health
	Practice	None
	Laboratory	None
Week 14	Theoretical	Approach to Environmental Problems
	Practice	None
	Laboratory	None
Week 15	Theoretical	Environmental Health in the World and Turkey
	Practice	None
	Laboratory	None

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	4	2	5	0	5	0	0	3	0
OC2	4	2	5	0	2	0	0	3	0
OC3	4	2	5	0	5	0	0	3	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Technology Management		
Course Code	ITP 1230	Activity Type	Optional
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Create value from science and technology. Critical factors in technology management. Sources and types of the innovations. Case analysis on innovation. Technology and competitiveness of the company. Basic competences and technology life cycle. The commercialization of the technology. Technology strategy. Technology planning. Technology transfer. Green technology management. National innovation systems.

The Aim of Course

To introduce methods and models which are used in technology management at comprehensive and interpretive level.

Learning Outcomes

1. To be able to improve knowledge and faculty continuously to adapt the rapidly changing technological environment and to find methods improving existing information
2. To be able to express his ideas and findings effectively either oral or written as regards the subject of the research
3. To be able to explain the general definitions, terms and principals which are used in technology management

Evaluation Criteria

txtDegerlendirmeKriteri

Recommended or Required Reading

1. Robert C. Megantz, Technology Management: Developing and Implementing Effective Licensing Programs, 2002, Wiley. 2. M. V. Zedtwitz, G. Haour, T. Khalil, Management of Technology, 2003, Pergamon Press. 3. Joseph Tidd, Joe Tidd (Ed.), From Knowledge Management to Strategic Competence: Measuring Technological, Market and Organizational Innovation (Technology Management), 2000, Imperial College Press. 4. Schilling, Strategic Management of Technological Innovation, 2009, McGraw-Hill. 5. Brown, C.V., DeHayes, D.W., Hoffer, J.A. & Martin, W.E., Managing Information Technology, 2011, Prentice Hall. 6. Betz, F. Managing Technological Innovation: Competitive Advantage from Change, 2011, John Wiley & Sons.

Course Content

Week	Topic	Content
Week 1	Theoretical	Introduction
	Practice	
	Laboratory	
Week 2	Theoretical	Create value from science and technology
	Practice	



	Laboratory	
Week 3	Theoretical	Create value from science and technology
	Practice	
	Laboratory	
Week 4	Theoretical	Critical factors in technology management
	Practice	
	Laboratory	
Week 5	Theoretical	Sources and types of the innovations
	Practice	
	Laboratory	
Week 6	Theoretical	Case analysis on innovation
	Practice	
	Laboratory	
Week 7	Theoretical	Technology and competitiveness of the company
	Practice	
	Laboratory	
Week 8	Theoretical	Basic competences and technology life cycle
	Practice	
	Laboratory	
Week 9	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 10	Theoretical	Commercialization of technology
	Practice	
	Laboratory	
Week 11	Theoretical	Commercialization of technology
	Practice	
	Laboratory	
Week 12	Theoretical	Technology strategy
	Practice	
	Laboratory	
Week 13	Theoretical	Technology planning
	Practice	
	Laboratory	
Week 14	Theoretical	Technology transfer
	Practice	
	Laboratory	
Week 15	Theoretical	Green technology management
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	5	5	0	0	0	5	0
OC2	0	0	5	5	0	0	0	3	0
OC3	0	0	5	5	0	0	0	5	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Innovation Management		
Course Code	ITP 1232	Activity Type	Optional
Semester	Spring	Semester	2
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	3
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Örgütlerde inovasyon türlerinin anlaşılması; İnovasyon ve yaratıcılık önündeki örgütsel engeller hakkında bilgi sahibi olunması; Liderlik ve örgütsel tasarım faktörlerinin inovasyon üzerindeki etkilerinin anlaşılması; İnovasyon süreci ve bu sürecin yönetilmesi ve kontrol edilmesine ilişkin mekanizmalar hakkında bilgi sahibi olunması; Örgütlerde inovasyonu etkileyen faktörlerin anlaşılması.

The Aim of Course

Dersin amacı; örgütlerde inovasyonu başarıyla yürütme ve yönetme konusunda bir anlayış oluşturabilmek için kurumsal temel oluşturma ve işletme vakalarını sunmaktır.

Learning Outcomes

- Örgütlerde inovasyon türlerinin anlaşılması
- Liderlik ve örgütsel tasarım faktörlerinin inovasyon üzerindeki etkilerinin anlaşılması
- İnovasyon süreci ve bu sürecin yönetilmesi ve kontrol edilmesine ilişkin mekanizmalar hakkında bilgi sahibi olunması

Evaluation Criteria

txtDegerlendirmeKriteri

Recommended or Required Reading

Çatı, K. (2012) Girişimcilik ve İnovasyon Yönetimi, Nobel Yayın Dağıtım.Trott, P. (2008) Innovation Management and New Product development , 4th ed. Harlow: PearsonMilson, M & Wilemon, D (2007) The strategy of Managing innovation and Technology, Prentice HallTidd J, and Bessant J. (2009) Managing Innovaiton 4 th Edition

Course Content

Week	Topic	Content
Week 1	Theoretical	İnovasyon: Giriş ve Sorunlar
	Practice	
	Laboratory	
Week 2	Theoretical	İnovasyon Yönetimi: Giriş
	Practice	
	Laboratory	
Week 3	Theoretical	İnovasyon Çevresi: İşletme Çevresi, Devletin Rol, Teknolojinin Etkileri
	Practice	
	Laboratory	

Bu belge, güvenli elektronik imza ile imzalanmıştır.

Evrak sorgulaması <https://turkiye.gov.tr/ebd?eK=4049&eD=BSC09J5RH2&eS=802437> adresinden yapılabilir.



Week 4	Theoretical	İnovasyon Süreci
	Practice	
	Laboratory	
Week 5	Theoretical	İnovasyon: Temel Kuramlar
	Practice	
	Laboratory	
Week 6	Theoretical	İnovasyon:Yaratıcılık ve İnsan Faktörleri- Birey, Takım ve Liderlik
	Practice	
	Laboratory	
Week 7	Theoretical	İşletmelerde inovasyon yönetimi
	Practice	
	Laboratory	
Week 8	Theoretical	Entellektüel sermayenin yönetimi
	Practice	
	Laboratory	
Week 9	Theoretical	Arasınav
	Practice	
	Laboratory	
Week 10	Theoretical	Örgütsel Bilginin (knowledge) yönetimi
	Practice	
	Laboratory	
Week 11	Theoretical	Araştırma ve Geliştirmenin yönetimi
	Practice	
	Laboratory	
Week 12	Theoretical	Araştırma ve Geliştirmenin yönetimi
	Practice	
	Laboratory	
Week 13	Theoretical	Yeni ürün geliştirme ve hizmet inovasyonu
	Practice	
	Laboratory	
Week 14	Theoretical	Açık inovasyon ve Teknoloji transferi
	Practice	
	Laboratory	
Week 15	Theoretical	Dönem projesi
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	5	5	0	5	0	0	0
OC2	0	0	5	3	0	5	0	0	0
OC3	0	0	5	5	0	5	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Ground Improvement Techniques		
Course Code	ITP 2201	Activity Type	Optional
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	2
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. SEDA DURUKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Introduction, Importance of Soil Improvement in Civil Engineering, Ground Improvement Methods Basic Ground Improvement by Compaction. Soil Compaction. Compaction Equipment, Soil improvement with pre- loading, pre-loading calculations, Sand Piles and Improvement, Improvement by Deep Compaction, Dynamic Consolidation, Lime and Cement Stabilization, sand, stone and cement columns, , soil improvement by Injection, Injection Materials and Methods, jet grout application, Soil nailing, Reinforced Earth Application and Design, soil anchoring Applied Soil improvement Investigation.

The Aim of Course

To Understand the soil improvement techniques and to Introduce to the methods and application of soil improvement. To teach the principles of design and methods of soil improvement. To give the ability to the choice of the most appropriate method of soil improvement.

Learning Outcomes

1. To be able to understand the soil improvement procedures
2. To be able to compare each soil improvement procedure regarding their advantages and disadvantages with their feasibility.
3. To be able to present the calculations of related soil improvement methods as a geotechnical report or project

Evaluation Criteria

txtDegerlendirmeKriteri

Recommended or Required Reading

Ground Improvement Techniques (Purushothama, R. 2005) ; Ground Improvement (Moseley and Kirsch, 2004).

Course Content

Week	Topic	Content
Week 1	Theoretical	Introduction, Importance of Soil Improvement in Civil Engineering, Ground
	Practice	
	Laboratory	
Week 2	Theoretical	Basic Ground Improvement by Compaction. Soil Compaction. Compaction Equipment
	Practice	
	Laboratory	
	Theoretical	Soil improvement with pre- loading, pre-loading calculations



Week 3	Practice	
	Laboratory	
Week 4	Theoretical	Sand Piles and Improvement, Improvement by Deep Compaction
	Practice	
	Laboratory	
Week 5	Theoretical	Dynamic Consolidation, Lime and Cement Stabilization, sand, stone and cement columns
	Practice	
	Laboratory	
Week 6	Theoretical	Sand, stone and cement columns
	Practice	
	Laboratory	
Week 7	Theoretical	Soil improvement by Injection,
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 9	Theoretical	Injection Materials and Methods
	Practice	
	Laboratory	
Week 10	Theoretical	Jet grout applications
	Practice	
	Laboratory	
Week 11	Theoretical	Soil nailing, Reinforced Earth Application and Design
	Practice	
	Laboratory	
Week 12	Theoretical	Soil nailing calculations
	Practice	
	Laboratory	
Week 13	Theoretical	Technical investigation
	Practice	
	Laboratory	
Week 14	Theoretical	Introduction of geotextiles and geosynthetics
	Practice	
	Laboratory	
Week 15	Theoretical	Student presentations.
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	3	4	5	0	0	0	4	0	0
OC2	5	5	5	0	0	0	3	0	0
OC3	0	3	3	0	0	0	5	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Highway Construction		
Course Code	ITP 2203	Activity Type	Optional
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	2
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Transportation systems. Definition of road's segments. Vertical and horizontal intersections. Horizontal cross-sections and slope. Observation of maps and land. Filling and cut works. Soil works. Asphalt and concrete coat.

The Aim of Course

Students will be able to learn construction level of highway and do the basic calculationsDefinition and progressing of transportation.

Learning Outcomes

1. To be able to detect the topographic situation of the land
2. To be able to do the route selection
3. To be able to evaluate highway standards
4. To be able to do calculations related with highway study

Evaluation Criteria

txtDegerlendirmeKriteri

Recommended or Required Reading

Nadir Yaylalı, 2008, Highway Engineering, İTÜ, İstanbul

Course Content

Week	Topic	Content
Week 1	Theoretical	Transportation Systems
	Practice	
	Laboratory	
Week 2	Theoretical	Highway Standarts
	Practice	
	Laboratory	
Week 3	Theoretical	Highway Line
	Practice	
	Laboratory	
Week 4	Theoretical	Horizontal Curves, Vertical Curves
	Practice	
	Laboratory	



Week 5	Theoretical	Horizontal Cross-Sections and Slope
	Practice	
	Laboratory	
Week 6	Theoretical	Observation On Map And Land
	Practice	
	Laboratory	
Week 7	Theoretical	Filling And excavation Process
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm
	Practice	
	Laboratory	
Week 9	Theoretical	Art Structures
	Practice	
	Laboratory	
Week 10	Theoretical	Highway Line Soil Works
	Practice	
	Laboratory	
Week 11	Theoretical	Materials Of Main Body Of Highway
	Practice	
	Laboratory	
Week 12	Theoretical	Asphalt Coatings
	Practice	
	Laboratory	
Week 13	Theoretical	Concrete Coatings
	Practice	
	Laboratory	
Week 14	Theoretical	Transportation Plans
	Practice	
	Laboratory	
Week 15	Theoretical	Transportation Plans
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	3	3	0	0	0	0	0	0
OC2	4	0	4	0	0	0	0	0	0
OC3	5	0	0	0	0	0	0	0	0
OC4	0	0	0	0	0	5	5	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Prefabricated Structures		
Course Code	ITP 2205	Activity Type	Optional
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	2
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Manufacturing and assembly of prefabricated and composite construction elements

The Aim of Course

To know the principles and elements, and their assembly of prefabricated and composite construction and to understand the prefabricated reinforced concrete structural members,

Learning Outcomes

1. To be able to recognize prefabricated structures and its elements
2. To be able to understand the principles of selection and installation of prefabricated wall-frame systems and foundation
3. To be able to draw the details of connections

Evaluation Criteria

Vize (%20) Ödev (%20) Final (%60)

Recommended or Required Reading

Course Content

Week	Topic	Content
Week 1	Theoretical	Introduction to prefabrication,
	Practice	
	Laboratory	
Week 2	Theoretical	The concept of prefabricated structures and prefabricated structural properties
	Practice	
	Laboratory	
Week 3	Theoretical	The concept of prefabricated structures and prefabricated structural properties
	Practice	
	Laboratory	
Week 4	Theoretical	Relations between structure of industrialization and environment
	Practice	
	Laboratory	



Week 5	Theoretical	Industrial and traditional construction methods and comparisons
	Practice	
	Laboratory	
Week 6	Theoretical	Industrial and traditional construction methods and comparisons
	Practice	
	Laboratory	
Week 7	Theoretical	Prefabricated structural components
	Practice	
	Laboratory	
Week 8	Theoretical	Midterms
	Practice	
	Laboratory	
Week 9	Theoretical	Production of prefabricated construction elements
	Practice	
	Laboratory	
Week 10	Theoretical	assembly prefabricated building elements
	Practice	
	Laboratory	
Week 11	Theoretical	assembly prefabricated building elements
	Practice	
	Laboratory	
Week 12	Theoretical	Construction details of prefabricated structures,
	Practice	
	Laboratory	
Week 13	Theoretical	Prefabricated structures applications.
	Practice	
	Laboratory	
Week 14	Theoretical	composite structures
	Practice	
	Laboratory	
Week 15	Theoretical	composite structures
	Practice	
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	0	5	0	0	3	0	0	0
OC2	5	0	5	0	0	3	0	0	0
OC3	5	0	5	0	0	3	0	0	0
OC4	5	0	5	0	0	3	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Earthquake and Soil		
Course Code	ITP 2207	Activity Type	Optional
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	2
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. SEDA DURUKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

The definition of the term geology, its improvement and branches ; the elements which form the crust of Earth (elements, minerals, rocks), the structure of rocks, the movements of the crust, earthquakes, decomposition, erosion, geological maps and cross sections, geology of dams and reservoirs ; massive movements and the stability of slopes, groundwater geology, tunnel geology and the underground structures, stone quarries and rocks used in constructions.

The Aim of Course

To teach the relevance of geological studies to the other science subjects. To be able to recognize the minerals and rocks which form the crust of Earth. To be familiar with the ways in which these minerals are rocks are used as engineering materials. To teach the students in what ways the basic principles of geology can be adapted to Civil Engineering applications. To make the students able to grasp the advantages of an interdisciplinary thinking at engineering applications as facility in working and creating solutions.

Learning Outcomes

1. To be able to understand geology and its relation with engineering branches
2. To be able to understand minerals, rocks and engineering properties
3. To be able to understand the importance of tectonic movements (especially earthquakes) and engineering works
4. To be able to benefit from geological data for solving engineering problems

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Eiby, G.A., 1980, Earthquakes, Heinemann, New Hampshire.Lay, T. And Wallace, T.C., 1995, Modern Global Seismology, Academic Pres.A Geology for Engineers (1984) (F.G.H. BLYTH and M.H. de FREITAS) Longman - London.

Course Content

Week	Topic	Content
Week 1	Theoretical	The definition of geology as science, improvements in geology, and its branches.
	Practice	
	Laboratory	
Week 2	Theoretical	The structure of Earth1. Crust of Earth 2. Interior Structure of Earth
	Practice	
	Laboratory	



Week 3	Theoretical	The Matters which form the Crust: 1. Minerals and their definition2. The crystal
	Practice	
	Laboratory	
Week 4	Theoretical	The Main Minerals which form the Crust: 1. Silicat Mineralsa) Minerals classified as
	Practice	
	Laboratory	
Week 5	Theoretical	3. Rocks forming the Crust1. Magmatic rocks a) Plutonic Rocks b) Intrusive Rocks c)
	Practice	
	Laboratory	
Week 6	Theoretical	The importance of rocks in Civil EngineeringThe display and examination of rocks in the
	Practice	
	Laboratory	
Week 7	Theoretical	The Structure of Rocks1. Structure and Types2. Primary Structures3. Secondary
	Practice	
	Laboratory	
Week 8	Theoretical	Structures of Magmatic, Sedimentary and Metamorphic Rocks1. Layers and Layering a)
	Practice	
	Laboratory	
Week 9	Theoretical	Midterm
	Practice	
	Laboratory	
Week 10	Theoretical	2. Techtonic Deformations of Layered Rocksa) Linearity and Inclinationb) Folded
	Practice	
	Laboratory	
Week 11	Theoretical	2. Techtonic Deformations of Layered Rocksa) Linearity and Inclinationb) Folded
	Practice	
	Laboratory	
Week 12	Theoretical	Litospherical Movements1. Epirogenic movements2. Orogenic movements3. Earthquakes
	Practice	
	Laboratory	
Week 13	Theoretical	c) Earthquake waves d) Sismographs and sismograms e) Eathquake types f) The
	Practice	
	Laboratory	
Week 14	Theoretical	Decomposition and ErosionGeological maps and cross sections
	Practice	
	Laboratory	
Week 15	Theoretical	Dam and reservoir geology - mass movements and the stability of slopes
	Practice	
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	4	0	0	0	0	0	0	0	0
OC2	4	3	0	0	0	0	0	0	0
OC3	4	4	2	0	0	0	0	0	0
OC4	4	4	5	0	0	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Reinforced Concrete		
Course Code	ITP 2101	Activity Type	Compulsory
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Definition of reinforced concrete, reinforced concrete classes, steel, behaviour characteristics of reinforced concrete, beam and columns.

The Aim of Course

That make up the concrete and concrete policies to comprehend the behavior of materials, reinforced concrete structural elements and to comprehend the principles of behavior, this element of the most widely used flooring, concrete elements such as beams and columns can be formed as.

Learning Outcomes

1. To be able to clasify and tell the strength of concrete
2. To be able to explain the behavior of reinforced concrete policy
3. To be able to calculate the reinforced concrete elements

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Lecture notes.

Course Content

Week	Topic	Content
Week 1	Theoretical	Definition and properties of reinforced concrete
	Practice	
	Laboratory	
Week 2	Theoretical	Definition and properties of reinforced concrete
	Practice	
	Laboratory	
Week 3	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 4	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	



Week 5	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 6	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 7	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 9	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 10	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 11	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 12	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 13	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 14	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	
Week 15	Theoretical	Structural system and reinforced concrete elements
	Practice	
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	5	4	0	0	0	4	0	0
OC2	5	4	5	0	0	0	5	0	0
OC3	5	5	5	0	0	0	3	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Computer Aided Design		
Course Code	ITP 2103	Activity Type	Compulsory
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	5
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Basics of Using Oriented CAD System, Coordinate Systems, Drawing geometry, CAD System for the Architectural Drawing, CAD System and Drawing of Reinforced Concrete Elements

The Aim of Course

Applications will be suitable for construction and pictures with CAD systems to form a basis for drawing architectural projects to be done to ensure

Learning Outcomes

1. To be able to explain the purpose of the CAD system, hardware and software
2. To be able to draw architectural and concrete structure projects using CAD system

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Computer Aided Design lecture notes

Course Content

Week	Topic	Content
Week 1	Theoretical	Basics of Using Oriented CAD System
	Practice	
	Laboratory	
Week 2	Theoretical	Coordinate Systems
	Practice	
	Laboratory	
Week 3	Theoretical	Coordinate Systems
	Practice	
	Laboratory	
Week 4	Theoretical	Drawing geometry
	Practice	
	Laboratory	
	Theoretical	Drawing geometry



Week 5	Practice	
	Laboratory	
Week 6	Theoretical	Drawing geometry
	Practice	
	Laboratory	
Week 7	Theoretical	Drawing geometry
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm exam
	Practice	
	Laboratory	
Week 9	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 10	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 11	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 12	Theoretical	CAD System for the Architectural Drawing
	Practice	
	Laboratory	
Week 13	Theoretical	CAD System and Drawing of Reinforced Concrete Elements
	Practice	
	Laboratory	
Week 14	Theoretical	CAD System and Drawing of Reinforced Concrete Elements
	Practice	
	Laboratory	
Week 15	Theoretical	CAD System and Drawing of Reinforced Concrete Elements
	Practice	
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	5	0	3	5	5	0	0
OC2	5	0	5	0	0	5	5	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Construction Meter and Cost		
Course Code	ITP 2105	Activity Type	Compulsory
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	5
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor Dr. Eray ÖZKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content
Building preparation works, construction site management, cost estimation, work planning, progress payment and proposal preparation
The Aim of Course
Understanding of construction site management, cost estimation, work planning and similar issues that the civil engineer will encounter in practice

Learning Outcomes
1. To be able to use project planning tools
2. To be able to recognize the construction sites and construction machinery
3. To be able to apply the cost estimation methods
4. To be able to be aware of the bid and proposal processes

Evaluation Criteria
Vize (%30) Quiz (%5) Quiz 2 (%5) Quiz 3 (%5) Quiz 4 (%5) Final (%50)

Recommended or Required Reading
Yapı İşletmesi ve Maloluş Hesapları, Ali Pancarcı & Emin ÖCAL , Birsen Yayınevi, 2005.İnşaat Metraj ve Keşif İşlemi, Şakir Uğur Gözü, Ve-Ga Basım Yayım Ltd., 2006.

Course Content		
Week	Topic	Content
Week 1	Theoretical	Introduction
	Practice	
	Laboratory	
Week 2	Theoretical	Site Organisation
	Practice	Site visit
	Laboratory	
Week 3	Theoretical	Construction machinery
	Practice	
	Laboratory	
Week 4	Theoretical	Construction processes
	Practice	



	Laboratory	
Week 5	Theoretical	Preperatory work for a construction
	Practice	
	Laboratory	
Week 6	Theoretical	Preperatory work for a construction
	Practice	
	Laboratory	
Week 7	Theoretical	Cost estimation
	Practice	
	Laboratory	
Week 8	Theoretical	Cost estimation
	Practice	
	Laboratory	
Week 9	Theoretical	Midterm
	Practice	
	Laboratory	
Week 10	Theoretical	
	Practice	Construction site visit
	Laboratory	
Week 11	Theoretical	Project planning: Bar charts
	Practice	
	Laboratory	
Week 12	Theoretical	Project planning: CPM arrow diagram
	Practice	
	Laboratory	
Week 13	Theoretical	Project planning: CPM matrix solution
	Practice	
	Laboratory	
Week 14	Theoretical	Bid processess
	Practice	
	Laboratory	
Week 15	Theoretical	Progress payments
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	5	0	0	0	5	5	0
OC2	0	0	5	0	0	0	5	5	0
OC3	0	0	5	0	0	0	5	5	0
OC4	0	0	5	0	0	0	5	5	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Steel Structures		
Course Code	ITP 2107	Activity Type	Compulsory
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Steel structure members, Connection elements ; Bolts, Connection elements ; Welding, Bolted joints under the influence of axial force and shear force, Bolted joints under the influence of moment Bolted joints under the influence of combined force, Welded joints under the influence of axial force and shear force, Bolted joints under the influence of moment, Bolted joints under the influence of combined force, Numerical applications, Compressive strength of frame elements

The Aim of Course

The objective of this course is to enable students to understand the principles of steel design.

Learning Outcomes

1. To be able to apply knowledge of mathematics, science
2. To be able to identify, formulate and solve technical problems
3. To be able to use the modern technics for technical drawing of steel structures

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

1)ÖZTÜRK , A.Zafer; Prof.Dr. "Çelik Yapılar - Kısa Bilgi ve Çözülmüş Problemler", Birsen Yayınevi , İstanbul2) DEREN, Hilmi; Prof.Dr. "Çelik Yapılar" , Teknik Kitaplar Yayınevi, İstanbul, 1984 3)ODABAŞI, Yalman; Prof.Dr. "Ahşap ve Çelik Yapı Elemanları", BETA Basım,Yayım, Dağıtım A.Ş., İstanbul, 1992

Course Content

Week	Topic	Content
Week 1	Theoretical	Steel structure members
	Practice	
	Laboratory	
Week 2	Theoretical	Connection elements ; Bolts
	Practice	
	Laboratory	
Week 3	Theoretical	Connection elements ; Welding
	Practice	
	Laboratory	



Week 4	Theoretical	Bolted joints under the influence of axial force and shear force
	Practice	
	Laboratory	
Week 5	Theoretical	Bolted joints under the influence of moment
	Practice	
	Laboratory	
Week 6	Theoretical	Bolted joints under the influence of combined force
	Practice	
	Laboratory	
Week 7	Theoretical	Welded joints under the influence of axial force and shear force
	Practice	
	Laboratory	
Week 8	Theoretical	Bolted joints under the influence of moment
	Practice	
	Laboratory	
Week 9	Theoretical	Midterm
	Practice	
	Laboratory	
Week 10	Theoretical	Numerical applications
	Practice	
	Laboratory	
Week 11	Theoretical	Compressive strength of frame elements
	Practice	
	Laboratory	
Week 12	Theoretical	Technical drawings
	Practice	
	Laboratory	
Week 13	Theoretical	Technical drawings
	Practice	
	Laboratory	
Week 14	Theoretical	Technical drawings
	Practice	
	Laboratory	
Week 15	Theoretical	Technical drawings
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	0	0	0	5	0	0	0	0
OC2	5	0	0	0	4	0	0	0	0
OC3	5	0	0	0	5	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Soil Mechanics II		
Course Code	ITP 2109	Activity Type	Compulsory
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	3
Hours Per Week	2	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. SEDA DURUKAN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Compaction, soil improvement methods, settlement, shear strength parameters, lateral soil pressures, retaining walls, bearing capacity of soils, foundation design and calculations.

The Aim of Course

With this course, the student will be able to run tests on finding engineering properties of soils, prepare test reports, do the calculations of settlement and stability, design the foundation type and determine the proper soil improvement method.

Learning Outcomes

1. To be able to recognize and apply laboratory tests on finding engineering parameters of soils
2. To be able to calculate soil settlements and the stress distribution
3. To be able to calculate lateral soil stresses and verify the stability of retaining walls
4. To be able to know the standards and regulations on soil tests
5. To be able to know the foundation type and calculation methods

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

Özaydın K., 2008, Zemin Mekaniği, Birsen Yayınevi, ISBN: 978-975-511-145-2Yılmaz I., Yıldırım M., Keskin İ., 2009, Zemin Mekaniği Laboratuvar Deneyleri ve Problemler, Teknik Yayınevi, ISBN: 978-975-523-043-6

Course Content

Week	Topic	Content
Week 1	Theoretical	Compaction and soil improvement methods
	Practice	
	Laboratory	
Week 2	Theoretical	
	Practice	
	Laboratory	Compaction
Week 3	Theoretical	Soil settlement
	Practice	
	Laboratory	



Week 4	Theoretical	Soil settlement
	Practice	
	Laboratory	
Week 5	Theoretical	
	Practice	Consolidation
	Laboratory	
Week 6	Theoretical	Shear strength of soils
	Practice	
	Laboratory	
Week 7	Theoretical	Shear strength of soils
	Practice	
	Laboratory	
Week 8	Theoretical	
	Practice	Shear strength of soils
	Laboratory	
Week 9	Theoretical	Midterm
	Practice	
	Laboratory	
Week 10	Theoretical	Soil stress distribuiton
	Practice	
	Laboratory	
Week 11	Theoretical	Lateral soil pressures
	Practice	
	Laboratory	
Week 12	Theoretical	Lateral soil pressures and retaining walls
	Practice	
	Laboratory	
Week 13	Theoretical	Bearing capacity of soils
	Practice	
	Laboratory	
Week 14	Theoretical	Bearing capacity of soils and foundations
	Practice	
	Laboratory	
Week 15	Theoretical	Foundation design and soil improvement methods
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	3	1	3	0	0	0	3	0	5
OC2	4	1	3	0	0	0	2	0	3
OC3	3	2	3	0	0	0	3	0	3
OC4	5	2	5	0	0	0	0	0	0
OC5	3	3	3	0	0	0	0	0	2



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Hydraulic Hydrology		
Course Code	ITP 2113	Activity Type	Compulsory
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	2
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Assoc. Prof. Dr. Barış YILMAZ
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content
Hydrology, hydrostatics, hydraulics, pipe flow and described in the theoretical and experimental free surface flows.
The Aim of Course
Will be basic information about water and water structures.

Learning Outcomes
1. To be able to understand the hydrology and the hydrological cycle
2. To be able to understand and design the statics of fluids and basic equations of hydraulics
3. To be able to understand and design pipe and free surface flows

Evaluation Criteria
Vize (%40) Final (%60)

Recommended or Required Reading
BOOK 1 -), Fluid Mechanics and Hydraulic Problems; Doc. Dr. Nusret ŞEKERDAĞ

Course Content		
Week	Topic	Content
Week 1	Theoretical	Hydrology and Hydraulic Conversion
	Practice	
	Laboratory	
Week 2	Theoretical	Hydrology and Hydraulic Conversion
	Practice	
	Laboratory	
Week 3	Theoretical	Theory of Liquids (Hydrostatic)
	Practice	
	Laboratory	
Week 4	Theoretical	Theory of Liquids (Hydrostatic)
	Practice	
	Laboratory	
	Theoretical	Theory of Liquids (Hydrostatic)



Week 5	Practice	
	Laboratory	
Week 6	Theoretical	Basic equations of hydraulics, Continuity and Bernoulli Equations
	Practice	
	Laboratory	
Week 7	Theoretical	Basic equations of hydraulics, Continuity and Bernoulli Equations
	Practice	
	Laboratory	
Week 8	Theoretical	Mid-term
	Practice	
	Laboratory	
Week 9	Theoretical	Basic equations of hydraulics, Continuity and Bernoulli Equations
	Practice	
	Laboratory	
Week 10	Theoretical	Laminar and turbulent flows in pipe
	Practice	
	Laboratory	
Week 11	Theoretical	Load Losses in piping
	Practice	
	Laboratory	
Week 12	Theoretical	Load Losses in piping
	Practice	
	Laboratory	
Week 13	Theoretical	Free Surface Flows
	Practice	
	Laboratory	
Week 14	Theoretical	Free Surface Flows
	Practice	
	Laboratory	
Week 15	Theoretical	Free Surface Flows
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	5	5	0	0	0	5	0	0
OC2	5	5	5	0	0	0	5	0	0
OC3	5	5	5	0	0	0	5	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Occupational Health and Safety		
Course Code	ITP 2111	Activity Type	Compulsory
Semester	Autumn	Semester	3
Course Language	Turkish	National Credit	2
Hours Per Week	2	ECTS	2
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Assoc. Prof. Dr. Barış YILMAZ
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Occupational health and safety, the general concepts and definitions, statistics on occupational accidents and occupational diseases, the causes of work-related accidents, and premises security threats to the environment, occupational diseases, classification and causes, accident severity and frequency rates of accidents, injuries, first aid and a variety of applications , fire, and fire protection, transportation and storage safety measures, risk assessment, occupational health and safety regulations.

The Aim of Course

This course aims to teach the risks that the students might face in their future careers, how to evaluate and control these risks, regulating conditions, and teach the basics of how to work in a secure environment.

Learning Outcomes

1. to be able to analyse the risks that may cause accidents
2. to be able to make improvements for work safety
3. to be able to explain the occupational diseases and how to protect themselves
4. to be able to assess the legal rights and responsibilities of the employers and employees

Evaluation Criteria

Vize (%50) Final (%50)

Recommended or Required Reading

1. Lecture notes 2. Dr. Ercüment N. DİZDAR, 2003, İş Güvenliği, Karaelmas Üniversitesi, Zonguldak. ISBN: 975-92183-8-0

Course Content

Week	Topic	Content
Week 1	Theoretical	Occupational safety, occupational diseases and injuries, concepts of occupational
	Practice	
	Laboratory	
Week 2	Theoretical	Statistics on occupational accidents and diseases
	Practice	
	Laboratory	
Week 3	Theoretical	The factors that threaten the security of our environment and the measurements in order to
	Practice	



	Laboratory	
Week 4	Theoretical	The factors that threaten the security of the buildings and the measurements in order to
	Practice	
	Laboratory	
Week 5	Theoretical	The reasons of occupational accidents and the necessary measurements
	Practice	
	Laboratory	
Week 6	Theoretical	The reasons of occupational accidents and the necessary measurements
	Practice	
	Laboratory	
Week 7	Theoretical	Risk assessment, the rates on the frequency of accidents and their intensity
	Practice	
	Laboratory	
Week 8	Theoretical	Midterm
	Practice	
	Laboratory	
Week 9	Theoretical	Occupational diseases and the factors causing these diseases
	Practice	
	Laboratory	
Week 10	Theoretical	Occupational diseases and the factors causing these diseases
	Practice	
	Laboratory	
Week 11	Theoretical	First-aid and implementations on a number of injuries
	Practice	
	Laboratory	
Week 12	Theoretical	First-aid and implementations on a number of injuries
	Practice	
	Laboratory	
Week 13	Theoretical	Fire, fire extinguishing, and the ways for protection
	Practice	
	Laboratory	
Week 14	Theoretical	The regulations for safe transportation and transfer, stocking, and safe working on aerial
	Practice	
	Laboratory	
Week 15	Theoretical	Regulations on occupational health and security, and legal and criminal liabilities
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	0	0	0	0	0	5	0
OC2	0	0	0	0	0	0	0	5	0
OC3	0	0	0	0	0	0	0	5	0
OC4	0	0	0	0	0	0	0	5	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Atatürk's Principles and History of Revolution		
Course Code	AİT 2102	Activity Type	Compulsory
Semester	Spring	Semester	4
Course Language	Turkish	National Credit	4
Hours Per Week	4	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor SERKAN CANSEVEN
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content
1 - Principles of Atatürk and purpose of the course, taught2 - The causes of decay of the Ottoman Empire3 - World War I and the results4 - Response to the occupation and Mustafa Kemal Pasha5 - National Pact and T.B.M.M. 's opening6 - Wars and the Treaty of Lausanne

The Aim of Course
1 - Ataturk's principles and reforms, independent, democratic and secular training of generations2 - Turkish youth, to gain confidence in national history and consciousness3 - Basic understand the dynamics of Turkish Modernization

Learning Outcomes
1. To be able to comprehend developments in European history and Ottoman modernization 2. To be able to decline the Ottoman Empire to explain the reasons 3. To be able to learn the causes and consequences of World War I 4. To be able to understand Turkish National Struggle, 5. To be able to understand the foundation philosophy of the Republic of Turkey better

Evaluation Criteria
Vize (%20) Final (%80)

Recommended or Required Reading
1- Sound, I, II, III2- Atatürk's Lectures and Statements I, II, III3- Ataturk Way Professor Dr. Hamza Eroğlu Principles and History of Turkish Revolution Safran Professor Dr. Mustafa Aysan4- Çankaya Professor Dr. Refik Turan Professor Dr. Necdet Hayta Professor Dr. Turan Feyzioğlu Falih Rıfki Atay5- Atatürk's Professor Dr. Mustafa

Course Content		
Week	Topic	Content
Week 1	Theoretical	Reading for the Purpose of the Atatürk Principles and Revolution History Class The Fall
	Practice	
	Laboratory	
Week 2	Theoretical	The Fall of the Ottoman Empire Administrative Reforms and I. Constitutionalism
	Practice	
	Laboratory	
	Theoretical	Reasons for the Monarchy and the Turkish Revolution



Week 3	Practice	
	Laboratory	
Week 4	Theoretical	World War I and the Armistice Agreement
	Practice	
	Laboratory	
Week 5	Theoretical	General Situation of the country against the occupation Mustafa Kemal Pasha's Response
	Practice	
	Laboratory	
Week 6	Theoretical	Mustafa Kemal Pasha at Samsun and The Congresses
	Practice	
	Laboratory	
Week 7	Theoretical	Mustafa Kemal Pasha at Samsun and The Congresses
	Practice	
	Laboratory	
Week 8	Theoretical	Mid-term\exam
	Practice	
	Laboratory	
Week 9	Theoretical	Opening of Meclis-i Mebusan and Misak-ı Milli
	Practice	
	Laboratory	
Week 10	Theoretical	T.B.M.M.'s Opening and Structure
	Practice	
	Laboratory	
Week 11	Theoretical	Facades, I. and II. Inonu, Sakarya War, The Great Raid, The Treaty of Mudanya
	Practice	
	Laboratory	
Week 12	Theoretical	The Treaty of Lausanne
	Practice	
	Laboratory	
Week 13	Theoretical	Proclamation of the Republic, Turkey's geopolitical position
	Practice	
	Laboratory	
Week 14	Theoretical	Foreign Policy of the Republic of Turkey
	Practice	
	Laboratory	
Week 15	Theoretical	Overview
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	1	0	0	0	0	0	0
OC2	0	0	0	0	0	0	0	0	0
OC3	0	0	0	0	1	0	0	0	0
OC4	0	0	0	0	0	0	0	0	0
OC5	0	0	0	1	0	0	0	0	0



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Turkish Language		
Course Code	TDL 2102	Activity Type	Compulsory
Semester	Spring	Semester	4
Course Language	Turkish	National Credit	4
Hours Per Week	4	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Lecturer MUSTAFA YEMİŞ
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Each student in the graduate and undergraduate education, according to comprehend the main language structure and function of language-thought in terms of connectivity, through written and oral expression, the Turkish right and gain the ability to use beautiful, these rules and native speakers of the language in an awareness of judges and they will have to make. The perfect way to express ideas in accordance with the purpose of rhetoric, including the necessary rules (speaking) knowledge of each profession for educated young people has become a very important need. In this regard, given to institutions of higher education courses in Turkish language, Turkish, and literature courses in high schools as a continuation of the rhetoric, especially in the field will be useful to intensify. On the other hand, a written essay as well as young people, to acquire the habit of speaking correctly and effectively is an issue that should not be neglected. Western countries, drawing upon the books written on this topic, Turkish course programs to address the audience, it is possible to teach techniques and methods of the rule. In this regard, particularly as Atatürk, the Turkish speaker's valuable speech will be taken to benefit from the texts.

The Aim of Course

The overall objective of this course, individuals who understand the subtlety and depth listening, and reading the Turkish language-rich, well-established and productive to show that a language, language and consciousness awaken love, pleasure and acquire the habit of reading, to adopt the core values of Turkish society; briefly thinking and communication skills of individuals to develop.

Learning Outcomes

1. To be able to explain the characteristics of Turkish language by sensing its usage procedure with examples.
2. To be able to express the function, dimensions of language and its relationship with thought, culture, and society.
3. To be able to distinguish between the concepts of spoken language and written language;
4. To be able to analyze a text they read or follow a program they watch.
5. To be able to correctly and affectively express their feelings, thoughts, impressions, observations both in written and spoken language.
6. To be able to identify the historical background of Turkish and its location among world languages;
7. To be able to apply the basic concepts of morphology;
8. To be able to explain the concepts about syntax and semantics.
9. To be able to identify the mistakes in the usage of the language and show them on the texts.
10. To be able to become an individual who is tolerant and cares about his values, and also, someone who can find solutions to the problems and correctly express his ideas about these problems both in written and spoken language.

Evaluation Criteria

Vize (%20) Final (%80)

Recommended or Required Reading



Aksan, Dogan, Every Direction Language / Linguistics with Main Lines, c.1,2,3, Turkish Language Institution, 1979-1982Aksoy, Ömer Asım, Dictionary of Proverbs, İnkılap Bookstore, January 1988Aksoy, Ömer Asım, Dictionary of Idioms, İnkılap Bookstore, January 1988Atatürk, Mustafa Kemal, SpeechBanguoğlu, Tahsin, Turkish Grammer, Turkish Language Institute Publications, 2000Bozkurt, Fuat, Turkish, Istanbul, 1975Buckley, Reid, Speaking at the Community, System Publishing, May 2001Dilçin, Cem, New Screening Dictionary, Ankara, 1983Ergin, Muharrem, Turkish Language for Universities, Bayrak Publications, 2002Gencan, Tahir Nejat, Grammar, Ayraç Publishing House, October 2001Karaalioglu, Seyit Kemal, Composition Art, Istanbul, January 1999Karahan, Leyla, Türkçede Syntax, Akçağ Publications, 1999Kudret, Cevdet, Literature Information by Examples, c. 1, 2, İnkılap Bookstore, 1980Koç, Nurettin, New Grammar, Istanbul, 1990Moran, Berna, A Critical Look at Turkish Names, c. 1, 2, 3, Communication Publications, 1983-1994Özdemir, Emin, Güzel and Effective Speech Art, Remzi Bookstore, January 1999Özen, Mustafa Nihat, Introduction to Writing Art and Composition, İstanbul, 1971

Course Content		
Week	Topic	Content
Week 1	Theoretical	What is language? In people's life the importance of language as a social institution.
	Practice	
	Laboratory	
Week 2	Theoretical	Language in terms of structure and origin. Place of Turkish language among world
	Practice	
	Laboratory	
Week 3	Theoretical	The development of Turkish written language. Historical stages of Turkish written
	Practice	
	Laboratory	
Week 4	Theoretical	The current status of the Turkish language, expansion areas of the Turkish language.
	Practice	
	Laboratory	
Week 5	Theoretical	Phonetic, sounds in Turkish and its classification.
	Practice	
	Laboratory	
Week 6	Theoretical	Turkish sound features and sound knowledge of the rulesThe structure of syllables in
	Practice	
	Laboratory	
Week 7	Theoretical	Midterm-exam
	Practice	
	Laboratory	
Week 8	Theoretical	Spelling rules and application.Mid-term exam.
	Practice	
	Laboratory	
Week 9	Theoretical	Spelling rules and application.Mid-term exam.
	Practice	
	Laboratory	
Week 10	Theoretical	Punctuation and its applications.
	Practice	
	Laboratory	
Week 11	Theoretical	Morphology, lexis structure, word formation.
	Practice	
	Laboratory	
Week 12	Theoretical	Construction and suffixes, word analysis.
	Practice	
	Laboratory	
Week 13	Theoretical	The word types. Noun, adjective.
	Practice	
	Laboratory	
Week 14	Theoretical	The word types. Adverb, pronouns, prepositions, conjunctions and interjections
	Practice	
	Laboratory	



Week 15	Theoretical	The word types. Verbs, gerunds, infinitives, active-passive.
	Practice	
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	0	0	0	0	0	0	0	0	2
OC2	0	0	0	0	0	0	0	0	2
OC3	0	0	0	0	0	0	0	0	2
OC4	3	3	2	0	5	3	3	3	2
OC5	0	0	0	0	5	0	0	2	5
OC6	0	0	0	0	0	0	0	0	2
OC7	0	0	0	0	0	0	0	0	2
OC8	0	0	0	0	0	0	0	0	2
OC9	0	0	0	0	5	0	0	3	5
OC10	0	0	0	5	0	0	0	0	2



Manisa Celal Bayar University
MANİSA VOCATIONAL SCHOOL OF TECHNICAL SCIENCES
Construction Technology
The Course Description Form

Course Name	Foreing Language		
Course Code	YDI 2102	Activity Type	Compulsory
Semester	Spring	Semester	4
Course Language	Turkish	National Credit	4
Hours Per Week	4	ECTS	4
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Instructor EMEL GENÇ
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Elementary level vocabulary, grammar and four skills of English.

The Aim of Course

The aim of this course is to provide the first year students with the opportunity of getting familiar with basic English

Learning Outcomes

1. To be able to understand basic English grammar.
2. To be able to grasp the meaning of basic vocabulary.
3. To be able to speak, read and write in English at Elementary Level.
4. To be able to introduce yourself.

Evaluation Criteria

Vize (%20) Final (%80)

Recommended or Required Reading

Headway-Elementary (Oxford)

Course Content

Week	Topic	Content
Week 1	Theoretical	regular/irregular verbs
	Practice	Writingtelling a story
	Laboratory	
Week 2	Theoretical	Unit 7Introducing peopletime expressions
	Practice	reading sixty years of flight
	Laboratory	
Week 3	Theoretical	unit 8 countable and uncountable nounshow much/how many
	Practice	reading and speaking"The history of the sandwich" okuma parçasını okuyup
	Laboratory	
Week 4	Theoretical	some/any
	Practice	Listening"What's your favourite sandwich"
	Laboratory	



Week 5	Theoretical	Unit 9ComparativesHave got/has gotSuperlatives
	Practice	Reading "Mega cities"
	Laboratory	
Week 6	Theoretical	adjectivesUnit 10Present continuous tensein/on/at
	Practice	Describing a flatWritingComparing people you know
	Laboratory	
Week 7	Theoretical	Midterm Exam
	Practice	
	Laboratory	
Week 8	Theoretical	Present continuous tensein/on/atSimple present& present continuous
	Practice	
	Laboratory	
Week 9	Theoretical	Present continuous tensein/on/atSimple present& present continuous
	Practice	Reading "Living in Space"
	Laboratory	
Week 10	Theoretical	Unit 11going to/willmaking suggestions
	Practice	WritingDescribing a holiday"
	Laboratory	
Week 11	Theoretical	Unit 11Simple past& present perfect
	Practice	speakingTalking about youHave you ever?
	Laboratory	
Week 12	Theoretical	Simple past& present perfecttense revision
	Practice	TalkSurvey 'What can you do?'Reading and speaking'Super Children'Writing letters for
	Laboratory	
Week 13	Theoretical	Unit 6couldWas bornhomonym for
	Practice	Using 'could' for past skills.Define where and when you are born.Finding the same
	Laboratory	
Week 14	Theoretical	Revision
	Practice	Overview
	Laboratory	
Week 15	Theoretical	Overview
	Practice	
	Laboratory	

Program and Learning Outcomes Relations

OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	2	0	0	0	2	2	0	2	0
OC2	0	0	0	0	2	2	0	2	0
OC3	0	0	0	0	2	2	0	2	0
OC4	0	0	0	0	0	0	0	0	0



Manisa Celal Bayar University

Construction Technology

Construction Technology

The Course Description Form

Course Name	Vocational Training in Workplace		
Course Code	MYO 2002	Activity Type	Compulsory
Semester	Spring	Semester	4
Course Language	Turkish	National Credit	4
Hours Per Week	5	ECTS	18
Prerequisite	N/A	Co-requisites	

Name of Lecturer	Asst. Prof. Dr. BEGÜM YURDANUR DAĞLI
Name of Assistant Lecturer	
Presentation Date of Form	27.06.2024

Course Content

Education in sector practice is the name given to senior students who are in practical training. "Intern" students have the chance and opportunity to practice, increase and intensify their knowledge and skills as much as they did in the fourth semester, by examining them during the intern training period covering the last year.

The Aim of Course

The main purpose of the education in sector practice is to enable the student to apply and develop the theoretical and practical information obtained within 3 years under the supervision and supervision of the experts in the sector.

Learning Outcomes

1. To be able to use advanced theoretical and practical knowledge in the department.
2. To be able to interpret and evaluate data using advanced knowledge and skills acquired in the department.
3. To be able to identify and analyze problems using advanced knowledge and skills acquired in the department.

Evaluation Criteria

Vize (%40) Final (%60)

Recommended or Required Reading

TAX AND ACCOUNTING PRACTICE GUIDE IN 15 BIG SECTOR-Kurtuluş AKDENİZ, Koray ATEŞ. (TR)

Course Content

Week	Topic	Content
Week 1	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 2	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 3	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 4	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	



Week 5	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 6	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 7	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 8	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 9	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 10	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 11	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 12	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 13	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 14	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	
Week 15	Theoretical	
	Practice	Education in Sector Practice(Intern)
	Laboratory	

Program and Learning Outcomes Relations									
OC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9
OC1	5	4	5	4	4	4	0	3	0
OC2	5	4	5	5	5	5	0	3	0
OC3	5	4	5	4	5	4	0	3	0

