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COURSE TITLE	ERAS 101 CLIMATE CHANGE AND CULTURAL HERITAGE		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÇAĞLA ERCANLI	**Fall**	**2**	**4**
COURSE OBJECTIVES	It aims to overlap the concept of sustainability, which includes environmental, economic, social and cultural issues, with the discipline of conservation. It aims to investigate the effects of climate change and environmental problems on cultural heritage and historical structures, to discuss sustainable conservation proposals, and to create awareness about the sustainability of cultural heritage.		
COURSE CONTENT	Course; examines the relationship between environmental protection and cultural/urban heritage in connection with sustainable urban development. Also, it contains subjects such as; important of environmental aspects in traditional buildings, comparing of traditional technics and contemporary architectural approaches in the scope of adaptation studies, comparing of traditional and sustainable construction materials, climatic adaptation of historical buildings and cultural heritage.		
SUGGESTED RESOURCES	Sev, A. (2009). Sürdürülebilir Mimarlık, YEM Yayın. Kibert, C.J. (2008). Sustainable Construction, John Wiley & Sons. Roaf, S., Crichton, D. ve Nicol, F. (2005). Adapting buildings and cities for climate change: A 21st century survival guide. Oxford: Architectural Press. Rosenzweig, C., Solecki, W., Hammer, S.A. ve Mehrotra, S. (2011). Climate change and cities: First assessment report of the urban climate change research network. Cambridge, UK: Cambridge University Press. UNESCO. World Heritage in Europe Today; United Nations Educational, Scientific and Cultural Organization: Paris, France, 2016. Colette, A. (2007). Climate Change and World Heritage. Report on Predicting and Managing the Impacts of Climate Change on World Heritage and Strategy to Assist States Parties to Implement Appropriate Management Responses; World heritage report; UNESCO World Heritage Centre: Paris, France, 22. Cassar, M. (2009). Principles of mitigation and adaptation of cultural heritage to climate change. In ClimateChange and Cultural Heritage, Proceedings of the Ravello International Workshop, 14–16 May 2009 and Strasbourg European Master-Doctorate Course, Strasbourg, France. Sabbioni, C.; Brimblecombe, P.; Cassar, M. (2010). The Atlas of Climate Change Impact on European Cultural Heritage.Scientific Analysis and Management Strategies; Anthem Press: London, UK. Hambrecht, G.; Rockman, M. (2017). International approaches to climate change and cultural heritage. Am. Antiq.,82, 627–641. Blundo, D.S.; Ferrari, A.M.; Fernández del Hoyo, A.; Riccardi, M.P.; García Muiña, F.E. (2018). Improving sustainable cultural heritage restoration work through life cycle assessment based model. J. Cult. Herit., 32, 221–231.		
LEARNING OUTCOMES	▪ To have basic knowledge for the concept of sustainability ▪ Creating awareness for the conservation of cultural heritage against environmental impacts ▪ To have basic knowledge for sustainable architectural principles ▪ To have basic knowledge for climate change		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the course, general information about the course. Defining components of climate change
2	The role of climate change on urban sustainability indicators; General overview to climate change
3	The role of climate change on urban sustainability indicators; General overview to climate change
4	Climate change effects on historical urban spaces, buildings and cultural heritage-Examples
5	Examination of urban sustainability policies
6	Basic concepts within the scope of urban sustainability policies: Mitigation and adaptation
7	Conservation strategies in urban sustainability policies: Problems, solutions
8	Mid-term exam
9	Sustainable architectural principles and construction systems
10	Sustainable architectural principles and construction systems
11	Evaluation of traditional buildings and construction systems within the scope of sustainable architecture principles
12	Conservation principles that can be developed to ensure the climatic sustainability of cultural heritage
13	Identification of cultural heritage in the city of Izmir and their evaluation within the scope of climatic sustainability
14	Identification of cultural heritage in the city of Izmir and their evaluation within the scope of climatic sustainability

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	30%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	1	4	4
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			90
ECTS CREDIT			4

COURSE TITLE	ERAS 102 MODERNISM, POST-MODERNISM AND URBAN SPACE		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÇAĞLA ERCANLI	**Spring**	**2**	**4**
COURSE OBJECTIVES	To understand the concepts of modernism and post-modernism as the main source of contemporary art.		
COURSE CONTENT	The way of explanation of the world was called as Modernism in the beginning of the 20th Century. Modernism has suggested many templates including on art and daily life. In the second part of the century, the ideology has created its own opposite, as called Post-Modernism. Post-Modern way of thinking was accepted as the end of the debate between "rational" and "traditional".		
SUGGESTED RESOURCES	ARCHER, Michael; Art Since 1960, Thamesand Hudson, 1997. CONNOR, Steven (Ed.), PostmodernistCulture, (BlackweelPublishers, 1997) LYOTARD, Jean-Francoise, Postmodern Durum, (Çev: Ahmet Çiğdem), Ara Yayıncılık, 1990. STANGOS, Nikos, Concepts of Modern Art, Thamesand Hudson, London, 1993. WALLİS Brian (Ed.), Art AfterModernism: RethinkingRepresentation, Godine,1984. FOSTER, Hal.,(Ed),The Anti-Aesthetic: Essays on PostmodernCulture, Bay Press, Seattle, 1991 BURGIN, Victor.,TheEnd of Art Theory:CriticismandPostmodernity, HumanitiesPress, Hong Kong, 1990 FERGUSON, R.,Olander, W., Tucker, M., Fıss, K., (Ed.), Discourses: Conversations in Postmodern Art andCulture, MIT Press, London, 1990 FREELAND, Cynthia A.,But Is It Art?: An Introductionto Art Theory, 2002		
LEARNING OUTCOMES	▪ Students re-read of the art object as a subject matter of Modernist and Post-Modernist theories. ▪ Students make criticism in the context of modernism and postmodernism. ▪ Students talk on the basic modernist texts. ▪ Students can question the effects of transforming space in shaping society.		

COURSE OUTLINE

WEEK	Topic(s)
1	Concept of Modernism
2	The structure determined by the relations of production in the conditions of modernity; the relations that cause the transformation of the city/urban space. The role of the city in shaping the economic, social and cultural structure
3	Modernity as a social design and urban planning as a modernity project
4	Criticizing the conditions of modernity in the context of economy, society, culture and the individual
5	Reading the Modernist texts and Discussions.
6	Reading the Modernist texts and Discussions.
7	Reading the Modernist texts and Discussions.
8	Mid-term exam
9	Introduction to Post-Modernism
10	Alaine Touraine: Critics of Modernity
11	Baumann and Modernity
12	Lyotard and Post-Modern Condition
13	Foucault and Criticism of Modernity
14	Time-space compression, Site Cities-Global Cities

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	30%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	1	4	4
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			90
ECTS CREDIT			4

COURSE TITLE	ERAS 111 MUSEUM AND MUSEOLOGY		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÇAĞLA ERCANLI	**Fall**	**2+0**	**4**
COURSE OBJECTIVES	The aim of the lesson is to give information about emergence and development of museums and museology and to inform students about the importance of museology in the preservation of cultural assets.		
COURSE CONTENT	Definition of museums and museology, purpose and functions of museums, history and development of museology in the West, the Ottoman Empire and Turkey, types of museums, architectural features of museums, Law on Conservation of Cultural and Natural Assets, museum visits and artifact research		
SUGGESTED RESOURCES	Lecture Notes		
LEARNING OUTCOMES	▪ Defining the concept of museology ▪ To have knowledge about the scientific and social purposes of museums ▪ Understanding the importance of museology in preserving and developing cultural heritage ▪ Gaining knowledge about museum experience by participating in museum tours ▪ Ability to research artifacts in museums ▪ Ability to present research on artifacts in museums ▪ Having information about the history and types of museums		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the course; Definition of the museum and museology
2	Functions of museology and types of museums
3	Historical development process of museology
4	The development of museology in the West
5	The development of museology in the Ottoman Empire
6	Museum tour/Field work
7	Student presentations about field work
8	Midterm
9	The development of museology in the Turkey
10	Architectural features of museums and principles of exhibition
11	Architectural features of museums and principles of exhibition
12	Documentation, inventory, protection of cultural assets and related legislation
13	Documentation, inventory, protection of cultural assets and related legislation
14	Final

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	%30
Quiz(zes)	0	%0
Assignment	1	%10
Attendance	0	%0
Practice	0	%0
Term Project	0	%0
Final	1	%60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	1	14
Assignments	1	10	10
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	30	30
TOTAL WORKLOAD			102
ECTS CREDIT			4

COURSE TITLE	ERAS 112 HISTORY OF ART AND ARCHITECTURE I		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÇAĞLA ERCANLI	**Fall**	**2+0**	**4**
COURSE OBJECTIVES	The aim of the Architectural and Art History I course is to introduce the development of art and architectural movements from prehistoric times to the 19th century, presenting key structures, artists, stylistic features, and construction techniques, and to enable students to understand the historical evolution of architectural thought.		
COURSE CONTENT	The course covers art and architectural movements from prehistoric ages to Neoclassicism, examining significant buildings, artists, stylistic characteristics, and architectural techniques within a chronological and comprehensive framework.		
SUGGESTED RESOURCES	Lecture Notes		
LEARNING OUTCOMES	▪ To be able to outline the basic formations of world art history from prehistoric times to the present. ▪ To be able to relate the basic formations of art history to each other and to the architectural, philosophical and political atmosphere of the period. ▪ To be able to examine the basic formations of art history comparatively. ▪ To be able to integrate knowledge about the basic facts of art history in the light of comparisons ▪ Mastering the development of architectural thought ▪ To be able to establish a relationship between historical and socio-economic conditions and architecture, art and design processes ▪ To be able to distinguish the period and characteristics of the works		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the aim and content and general information about the course, introduction of concepts related to art
2	Prehistoric Art; Megalithic Structures, Anatolian Prehistory
3	Mesopotamian Art and Architecture
4	Ancient Egyptian Art and Architecture
5	Ancient Greek Art and Classical Architecture
6	Hellenistic Greek and Early Roman Art and Architecture; Architectural Innovations, Urban Fabric
7	Architecture of the Roman Empire
8	Midterm
9	Byzantian Art and Architecture
10	A Perspective on Anatolia; Art and Architecture of the Anatolian Seljuk and Early Ottoman Periods
11	Romanesque–Gothic Period Europe
12	Renaissance Art and Architecture
13	Examination of Mannerism, Baroque and Rococo periods
14	Final

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	%25
Quiz(zes)	0	%0
Assignment	3	%15
Attendance	0	%0
Practice	0	%0
Term Project	0	%0
Final	1	%60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	3	42
Assignments	3	5	15
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	10	10
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			110
ECTS CREDIT			4

COURSE TITLE	ERAS 113 HISTORY OF ART AND ARCHITECTURE II		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÇAĞLA ERCANLI	**Spring**	**2+0**	**4**
COURSE OBJECTIVES	The course aims to provide general information about architecture and art's history and their development.		
COURSE CONTENT	This course starts with the 18th century architecture and art movements and covers the stream of postmodernism. In this process, period features, works of art and important symbolic buildings in different styles, plan, facade, construction technique and materials, interior features and constructions and other architectural features will be discussed in detail.		
SUGGESTED RESOURCES	Lecture Notes		
LEARNING OUTCOMES	▪ To be able to outline the basic formations of world art history from prehistoric times to the present. ▪ To be able to relate the basic formations of art history to each other and to the architectural, philosophical and political atmosphere of the period. ▪ To be able to examine the basic formations of art history comparatively. ▪ To be able to integrate knowledge about the basic facts of art history in the light of comparisons ▪ Mastering the development of architectural thought ▪ To be able to establish a relationship between historical and socio-economic conditions and architecture, art and design processes ▪ To be able to distinguish the period and characteristics of the works		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the aim and content and general information about the course, Neoclassical art and architecture
2	18th century architecture
3	Romanticism
4	Symbolism
5	Impressionism and Post Impressionism
6	An overview of the 19th century
7	19th century technology and the Chicago School
8	Midterm
9	Late 19th century period, Arts and Crafts, BeauxArts
10	An overview of art movements in the 20th century
11	Industrial revolution and history of modern architecture
12	European Expressionism: Berlage and Adolf Loos, Werkbund, Bauhaus and De Stijl
13	Postmodernism
14	Final

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	%30
Quiz(zes)	0	%0
Assignment	1	%10
Attendance	0	%0
Practice	0	%0
Term Project	0	%0
Final	1	%60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	1	8	8
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	10	10
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			89
ECTS CREDIT			4

COURSE TITLE	ERAS 114 FINISHING MATERIALS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÇAĞLA ERCANLI	**Spring**	**1+2**	**5**
COURSE OBJECTIVES	The aim of this course is to inform about the concept of fine structure and the elements of the fine structure.		
COURSE CONTENT	This course will cover the following topics; examining of fine structure systems, materials and elements, learning of how to draw fine structure components and details. Also includes; applying of fine structural elements such as doors, windows, wall coverings, floor coverings, stairs etc. to the plan, section and views.		
SUGGESTED RESOURCES	NEUFERT, Ernst, Neufert (2000). Kilmer, Rosemary (2021). Construction Drawings and Details for Interiors. John Wiley&Sons Inc. Lecture Notes		
LEARNING OUTCOMES	▪ Developing a skill of detailing fine structural elements that proper to the structure and its location ▪ Learning the details of fine structural elements such as doors, windows, walls and flooring ▪ Developing a skill of drawing plans, sections and views of fine structural elements ▪ Developing a skill of choosing fine structural elements that proper for the spaces. ▪ Having knowledge about different types of materials ▪ Learning detailed solutions for different material types ▪ Gaining the ability to read drawings and projects of fine structural elements		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the course General information about the fine structure components and concepts, General information about section drawing
2	Doors
3	Door details
4	Windows
5	Window details
6	Wall coverings
7	Wall covering details
8	Midterm
9	Partitions
10	Flooring coatings
11	False ceilings
12	Plaster ornamentations,moldings
13	Traditional fine structural elements
14	Final

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	%40
Quiz(zes)	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Term Project	0	%0
Final	1	%60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	15	3	45
Self-Study	15	3	45
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	25	25
TOTAL WORKLOAD			135
ECTS CREDIT			5

COURSE TITLE	ERAS 119 BASIC ART		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÇAĞLA ERCANLI	**Fall**	**2+1**	**5**
COURSE OBJECTIVES	The aim of the course is to provide students, with the knowledge of the elements that make up the course, to earn the most rational and aesthetic way to express their own individual worlds, to convert their knowledge and skills within the framework of design principles.		
COURSE CONTENT	This course will cover the following topics: In the light of the elements that form the visual arts, In the systematic of observation-analysis and synthesis of the student's individual world, expression basic definitions such as the point-line, light-shadow, perspective and basic concepts such as stain-form with various artistic materials on two-and three-dimensional drawing.		
SUGGESTED RESOURCES	Ching, Francis D.K. 2015. Architecture: form, space, & order, Wiley. Lecture Notes		
LEARNING OUTCOMES	▪ Explains the basic elements of art ▪ Applies line and point in basic art. ▪ Uses basic art element form in basic design ▪ Applies the basic principles of the usage of colours ▪ Uses texture which is one of the basic art elements in basic design ▪ Understanding the concept of space in architecture ▪ Can analyze architectural space and create space with basic design elements		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the Course and Informing Students About Practices and Evaluation, Overview of Design Concepts
2	Basic Design Elements; Point and Line
3	Basic Design Elements; Surface and Form
4	Basic Design Elements; Texture
5	Basic Design Elements; Color and Usage of Digital Color
6	Basic Design Elements; Light and Shadow
7	Basic Design Principles I
8	Midterm
9	Basic Design Principles II
10	Form Composition with Part–whole Relationship
11	The Concept of Space in Architecture; Green Design and Sustainable Materials
12	The Concept of Space in Architecture
13	Perspective Knowledge in Art and Architecture
14	Final Project Studies

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	%25
Quiz(zes)	0	%0
Assignment	4	%15
Attendance	0	%0
Practice	0	%0
Term Project	0	%0
Final	1	%60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	3	42
Assignments	4	1	4
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			118
ECTS CREDIT			5

COURSE TITLE ERAS 100 RURAL HERITAGE AND SUSTAINABLE DEVELOPMENT

LECTURER	Semester	Study Hour (T+A/L)	ECTS
UMUT DEVRİM TUNCA	**Fall/Spring**	**3**	**4**
COURSE OBJECTIVES	The aim of the course is to define the characteristics of rural environments within the concepts of heritage, conservation, sustainability and rural development.		
COURSE CONTENT	The course includes information on rural heritage features, conservation principles, international documents and legislation, rural planning, sustainable development and case studies.		
SUGGESTED RESOURCES	Antonio, L. (2020) Five Albanian Villages : Guidelines for a Sustainable Tourism Development through the Enhancement of the Cultural Heritage. Architectural Heritage and Rural Development (1988) Council of Europe Orbaşlı, A. (2008) Architectural Conservation: Principles and Practices. Wiley-Blackwell. Aran, K. (2000) Beyond Shelter: Anatolian Indıgeneous Buildings, Tepe		
LEARNING OUTCOMES	▪ To define the characteristics of rural heritage ▪ To define the principles of conservation of cultural heritage ▪ To explain the national legislation and international documents on rural heritage ▪ To identify the relation between sustainability and conservation ▪ To define rural planning and development ▪ To explain the principles of rural heritage conservation approaches		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to course
2	Basic definitions on rural environments
3	Basic definitions on rural heritage
4	International documents and legislations
5	Current problems of rural environments
6	Conservation of rural heritage
7	Conservation of rural heritage
8	Rural planning and sustainable development
9	Rural planning and sustainable development
10	Research methods on rural environments
11	International projects
12	International projects
13	Case studies
14	Case studies

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	20%
Quiz(zes)	0	0%
Assignment	1	20%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	0	0	0
Assignments	1	15	15
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	25	25
TOTAL WORKLOAD			102
ECTS CREDIT			4

COURSE TITLE	ERAS 110 CONSERVATION OF HISTORICAL BUILDINGS AND ENVIRONMENTS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
UMUT DEVRİM TUNCA	**Fall**	**2**	**4**
COURSE OBJECTIVES	The aim of the course is to explain the necessity of conservation of historical environments throughout the international documents and regulations and to give information about basic conservation principles, intervention methods and materials.		
COURSE CONTENT	The course includes history of conservation, international documents, regulations, principles of conservation of both movable and immovable cultural heritage, reasons of deterioration of different materials, the methods and techniques of interventions.		
SUGGESTED RESOURCES	Orbaşlı, A. (2008) Architectural Conservation: Principles and Practices. Wiley-Blackwell. Macedo, Maria Filomena (2022) Application of Biology to Cultural Heritage		
LEARNING OUTCOMES	▪ To define the principles of conservation of cultural heritage ▪ To explain the national legislation and international documents ▪ To define the reasons of deteriorations ▪ To identify the deteriorations ▪ To determine the appropriate intervention methods depending on the deterioration ▪ To define and apply all conservation techniques		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the course
2	History of Conservation
3	International Documents and National Legislation
4	Fundamental principles of conservation
5	Reasons of deteriorations of historical buildings
6	Structural problems and methods of restoration
7	Principles and methods of conservation of stone
8	Mid-term exam
9	Principles and methods of conservation of earth, mud, brick
10	Principles and methods of conservation of timber
11	Principles and methods of conservation of metals
12	Principles and methods of conservation of wall paintings and murals.
13	Principles and methods of conservation of mosaics, ceramics and traditional tiles.
14	Principles and methods of conservation of archaeological heritage

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	0	0	0
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	25	25
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	35	35
TOTAL WORKLOAD			88
ECTS CREDIT			4

COURSE TITLE	ERAS 105 REINFORCED CONCRETE		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
AYŞEGÜL YARCI	**Fall**	**4**	**6**
COURSE OBJECTIVES	To calculate the required reinforcement according to normal force-bending moment-shear forces for a reinforced concrete section.		
COURSE CONTENT	Reinforced Concrete, Concrete, Reinforcement, TS - 500, Turkish Earthquake Regulation.		
SUGGESTED RESOURCES	Uğur Ersoy, Güney Özcebe, Tuğrul Tankut; "Reinforced Concrete", Metu Press		
LEARNING OUTCOMES	▪ To be able to explain the reinforcement need for concrete by describing the concept of reinforced concrete. ▪ To be able to calculate the tensile area of reinforcement groups by explaining the concepts of shear and deflection reinforcement. ▪ To be able to design a reinforced concrete beam section according to TS 500 and TDY 2018 regulations. ▪ To be able to design a reinforced concrete column section according to TS 500 and TDY 2018 regulations. ▪ To be able to design a reinforced concrete slab section according to TS 500 and TDY 2018 regulations. ▪ To be able to design a reinforced concrete foundation section according to TS 500 and TDY 2018 regulations. ▪ Sta4cad, Probina, Idecad are used for construction design. ▪ Column and beam calculations made by computer program are controlled by hand method.		

COURSE OUTLINE

WEEK	Topic(s)
1	The concept of reinforced concrete
2	Shear reinforcement, deflection reinforcement, reinforcement-area table creation
3	Minimum limitations for beams according to TS 500 and TDY 2018
4	Calculation of shear and deflection reinforcement for beams
5	Minimum limitations for columns according to TS 500 and TDY 2018.
6	Calculation of shear and deflection reinforcement for columns
7	Minimum limitations for slabs according to TS 500 and TDY 2018.
8	Mid-term exam
9	Calculation of shear and deflection reinforcement for slabs
10	Minimum limitations for foundations according to TS 500 and TDY 2018.
11	Calculation of shear and deflection reinforcement for foundations
12	STA4CAD, Probina, Idecad program introductions
13	A simple reinforced concrete design by hand
14	A simple reinforced concrete design by computer program

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	4	56
Self-Study	14	3	42
Assignments	1	4	4
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	30	30
TOTAL WORKLOAD			148
ECTS CREDIT			6

COURSE TITLE	ERAS 106 STATICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
AYŞEGÜL YARCI	**Spring**	**3**	**5**
COURSE OBJECTIVES	To give information about building systems and their behaviour, show how to calculate internal forces and displacements in structural elements subjected to external loads, to determine the effect of cross-sectional features on the strength of objects in the design of load-bearing systems, and to understand cross-section analysis		
COURSE CONTENT	This course covers measurement units, scalar and vector quantities, component force calculation, moment calculation, isostatic beams, support reactions, centre of gravity, moment of inertia, tensile, compression and shear stresses, torsion and uniaxial bending.		
SUGGESTED RESOURCES	**[1]** Mehmet Bakioğlu; ""Statik Problemleri""; Beta yayınları. **[2]** R.C. Hibbeler; ""Structural analysis""; Prentice Hall. **[4]** R.C. Hibbeler; ""Mechanics of Materials""; Pearson Education. **[5]** Mustafa Karaduman, Ali Umucalılar; Uygulamalı Mekanik (Statik) ve Mukavemet; Nobel Akademik Yayıncılık		
LEARNING OUTCOMES	▪ To be able to explain mechanical quantities. ▪ To be able to define units of measurement. ▪ To be able to calculate the scalar and vector quantities. ▪ To be able to discuss the resultant forces. ▪ To be able to specify moment magnitudes. ▪ To be able to calculate support reactions of isostatic beams. ▪ To be able to determine the centre of gravity of structural element sections. ▪ To be able to calculate moments of inertia of structural elements. ▪ To be able to make cross-sectional analysis calculations of structural elements under tension/compression/shear effect. ▪ To be able to interpret the cross-section analysis of structural elements subjected to bending.		

COURSE OUTLINE

WEEK	Topic(s)
1	General Principles and Force Vectors
2	Cartesian Vectors, Point Product Definition Introduction to Force Systems
3	Equilibrium of Rigid Bodies
4	Structural Analysis of Truss Systems
5	Center of Gravity and Moment of Inertia
6	Stress and Strain
7	Strength Properties of Materials
8	Mid-term exam
9	Strength Properties of Materials
10	Axial Loaded Elements
11	Bending in Structural Elements
12	Transverse Shear
13	Torsion
14	Buckling

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	5	70
Assignments	1	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	2	2
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	2	2
TOTAL WORKLOAD			116
ECTS CREDIT			5

COURSE TITLE	ERAS 107 STRENGTH OF MATERIALS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
AYŞEGÜL YARCI	**Spring**	**3**	**5**
COURSE OBJECTIVES	Strengths of materials is a necessary science field in construction technicians' education and career. This course aim is explaining fundamental principles of strength of materials and using examples to solidify the gained knowledge.		
COURSE CONTENT	Tension, mechanical properties of materials, internal forces, normal forces, centre of gravity, bending, shear force, torsion, normal force and bending, shear force and bending, bending and torsion, bending-torsion and shear force, buckling, elastic curve.		
SUGGESTED RESOURCES	Mehmet H. Omurtag, Mukavemet 1, Birsen Yayınevi 2014 Mehmet H. Omurtag Mukavemet Çözümlü Problemler Cilt 1, Birsen Yayınevi, 2015 Lecture notes		
LEARNING OUTCOMES	▪ Can evaluate a given problem or definition under the principles of mechanics. ▪ Can converts units of measurements used in mechanics. ▪ Can determine external and internal forces by using equilibrium state principles and analyse all the forces effecting the object. ▪ Can determine stress in different planes when an objects is subjected to uniaxial and biaxial stress. ▪ Can analyse truss structure systems. ▪ Can analyse types of supports and determine internal forces in a given system. ▪ Can calculate different geometrical shapes moment of inertia and centre of gravity.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to strengths of materials and the concept of stress
2	Mechanical properties of materials
3	Internal forces
4	Normal force and stress
5	Centre of gravity and first moment of area
6	Bending
7	Shear force
8	Torsion
9	Mid Term (Exams will take place between 7-18 April 2025 and the results will be announced 3 days after the exam)
10	Normal force and bending
11	Shear stress and bending
12	Bending and torsion
13	Bending torsion and shear stress
14	Buckling
15	Finals (Exams will take place between 26 May - 4 June 2025 and the results will be announced 3 days after the exam)

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	30%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	3	42
Assignments	1	10	10
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	10	10
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			124
ECTS CREDIT			5

COURSE TITLE	ERAS 108 HYDROLICS AND HYDROLOGY		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
AYŞEGÜL YARCI	**Fall**	**2+0**	**4**
COURSE OBJECTIVES	This course aim is to teach students about the fundamentals of Hydrology and Hydraulics and help them gain the basic skills to design hydraulic structures.		
COURSE CONTENT	Basic concepts about fluids, Hydrostatics, Types of flows and basic equations, Fluid Dynamics, Open channel flow, Introduction to Hydrology, Precipitation, Evaporation, Infiltration, Flow measurement methods, Rainfall-Runoff processes, Hydrograph analysis.		
SUGGESTED RESOURCES	Lecture Notes		
LEARNING OUTCOMES	▪ Students know about basic concepts of fluids, hydrostatics and hydrodynamics. ▪ Students know about basic equations of fluids mechanics, hydraulics and hydrology. ▪ Students know about basic concepts of Hydrology. ▪ Students gain basic skills of designing hydronic structures.		

COURSE OUTLINE

WEEK	Topic(s)
1	Basic concepts about fluids
2	Hydrostatics
3	Types of flow and basic equations
4	Fluids Dynamics
5	Open channel flow
6	Introduction to Hyrdrology
7	Precipitation
8	Mid-term exam
9	Evaporation
10	Infiltration
11	Flow measurement methods
12	Rainfall-Runoff processes
13	Hydrograph analysis
14	General Overview

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	1	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	22	22
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	22	22
TOTAL WORKLOAD			100
ECTS CREDIT			4

COURSE TITLE	ERAS 109 WATER STRUCTURES		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
AYSEGUL YARCI	**Spring**	**2+0**	**4**
COURSE OBJECTIVES	To provide fundamental knowledge about dams, spillways, and hydroelectric power structures, and to develop the ability to solve application-oriented examples.		
COURSE CONTENT	Dams, spillways, hydroelectric power structures, and examples of such facilities in Turkey.		
SUGGESTED RESOURCES	Modern Water Resources Engineering, Lawrence K Wang, Chih Ted Yang, Humana Press, 2014.		
LEARNING OUTCOMES	▪ To acquire fundamental knowledge about the development, legal aspects, and economics of water-related applications from past to present. ▪ To understand how to determine the demand for drinking, domestic, and irrigation water, and to be able to apply basic methods used for the design of related hydraulic structures. ▪ To select appropriate water intake structures for water supply systems, and to design desilting structures for diversion-type power plants with free-surface flow. ▪ To develop water conveyance and sewerage systems to meet drinking and domestic water needs, and to gain the basic principles of their design through small-scale applications. ▪ To learn hydropower systems and their components, and to apply this knowledge through practical examples. ▪ To learn about structural measures that can be taken for flood protection. ▪ To acquire basic knowledge about river transportation.		

COURSE OUTLINE

WEEK	Topic(s)
1	Historical development of water structures in Turkey. Water structure systems.
2	Economy of water resources. Water resources management.
3	Water demand. Dams.
4	Dams.
5	Diversion structures.
6	Water intake structures.
7	Midterm exam
8	Free-surface flow transmission. Pressurized flow transmission.
9	Water conveyance and sewerage. Irrigation and drainage.
10	Hydropower systems. Power plants. Low-head run-of-river plants.
11	Dam power plants
12	Dam power plants
13	Flood prevention.
14	Final exam

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	%40
Quiz(zes)	0	%0
Assignment	1	%10
Attendance	0	%0
Practice	0	%0
Term Project	0	%0
Final	1	%50
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	**14**	**2**	**28**
Self-Study	**14**	**2**	**28**
Assignments	**1**	**11**	**11**
Preparation Of Presentation/ Seminar	**0**	**0**	**0**
Preparation For Mid-Term Exam	**1**	**11**	**11**
Application	**0**	**0**	**0**
Laboratory	**0**	**0**	**0**
Preparation Of Term Project	**0**	**0**	**0**
Preparation For Final Exam	**1**	**22**	**22**
TOTAL WORKLOAD			100
ECTS CREDIT			4

COURSE TITLE	ERAS 160 OBJECT ORIENTED PROGRAMMING		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ECEM İREN	**Spring**	**2**	**4**
COURSE OBJECTIVES	Object-oriented programming is a conceptual and application-based introduction using Java programming language, which is widely used in applications. The basic concepts associated with object oriented programming will be introduced using Java programming language and explained with examples. However, this programming language is intended to design and develop current applications in the Java Platform.		
COURSE CONTENT	Java program structures, basic java classes and packages, object design principles, methods, classes, constructors, encapsulation, access determinants, inheritance, package creation, polymorphism, interfaces, abstract classes, UML Diagrams.		
SUGGESTED RESOURCES	Java: How to Program 10th Ed., Paul & Harvey Deitel, Pearson, New Jersey Java Official Web Site https://docs.oracle.com/javase/tutorial/ Online reading materials will be announced according to the subjects covered		
LEARNING OUTCOMES	▪ Expresses the basic features of the Java platform. ▪ Explains what tools are used to develop applications with Java. ▪ Uses the basics of the Java language to develop Java programs. ▪ Uses classes while developing software. ▪ Applies the basic object oriented programming concepts while developing software. ▪ Shows the properties of the structures used in object-based programming and their relation to each other by using appropriate diagrams. ▪ Uses advanced object-based programming concepts.		

COURSE OUTLINE

WEEK	Topic(s)
1	Basic Properties of Java Platform
2	Java Software Developing Tools
3	Java Variables and Program Operators
4	Java Control Statements
5	Java Array Operations
6	Classes, Methods and ArrayList Data Structure
7	Classes, Methods and ArrayList Data Structure
8	Mid-term exam
9	Inheritance
10	Inheritance - 2
11	Polymorphism
12	Polymorphism - 2
13	Interfaces
14	Exception Handling
	Final Exam

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	7	7
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	8	8
TOTAL WORKLOAD			71
ECTS CREDIT			4

COURSE TITLE	ERAS 163 EMBEDDED SYSTEMS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
SARAN SAPMAZ	**Fall/Spring**	**2+1**	**5**
COURSE OBJECTIVES	This course provides knowledge students about embedded systems and embedded-C programing with Arduino. Students have hands-on experience integrating microcontroller and hardware.		
COURSE CONTENT	General overview of microcontrollers and microprocessors; development environments and toolchains (Arduino IDE and its framework); hardware–software integration principles; embedded C programming; basic algorithm development for embedded systems.		
SUGGESTED RESOURCES	Arduino: A Beginner's Guide to Arduino Programming, George Gibson Lecture Notes		
LEARNING OUTCOMES	▪ Design and build simple embedded system applications that integrate hardware and software. ▪ Implement basic timing, interrupt, and input/output control mechanisms. ▪ Acquire, process, and interpret data from sensors in real-time. ▪ Identify the main components of a microcontroller-based system and their functions. ▪ Relate microcontroller-based systems to applications in robotics and autonomous systems.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to embedded systems
2	Introduction to embedded C programming
3	Digital applications with Arduino
4	Analog applications with Arduino
5	Loops in C programming
6	Conditional statements and operators in C programming
7	Sensor applications with Arduino
8	DC actuator applications with Arduino
9	Servo motor control with Arduino
10	Introduction to communications protocols: I2C and SPI
11	Wireless communication (Bluetooth, Ethernet)
12	Timers application with Arduino
13	Interrupt application with Arduino
14	Embedded systems and robotics

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40
Quiz(zes)		
Assignment		
Attendance		
Practice		
Term Project		
Final	1	60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	3	42
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	28	28
TOTAL WORKLOAD			132
ECTS CREDIT			5

COURSE TITLE	ERAS 164 INTRODUCTION TO AUTONOMOUS SYSTEMS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
SARAN SAPMAZ	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	The aim of this course is to teach the fundemental components of autonomous systems, modelling methods, driving techniques and sensor technology. Also the aim of the course is to provide information for students about path planning, localization, mapping and autonomous navigation topics.		
COURSE CONTENT	General information of the autonomous systems and its fundemental components, modelling, driving techniques, sensor technologies, localitation, mapping, autonomous navigation, autonomous system modelling and simulation applications.		
SUGGESTED RESOURCES	Applications of Mobile Robots, Efren Gorrostieta Hurtado Lecture notes		
LEARNING OUTCOMES	▪ Gains knowledge of autonomous systems' fundamental concepts. ▪ Has knowledge of advanced applications about autonomous systems. ▪ Can apply basic path-searching algorithms. ▪ Identifies different robot types and their applications. ▪ Can explain the differences between control types ▪ Can discuss ethical issues related to artificiel intelligence usage.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to Autonomous Systems
2	Sensor Technology in Autonomous Systems
3	Autonomous systems architectures
4	SAE Levels of Driving Automation
5	Simulation tools
6	Learning and decision-make algorithms
7	Control algorithms
8	Robotic systems and modelling
9	Navigation algorithms
10	Mapping systems and algorithms
11	Path planning algorithms
12	Localization
13	Ethics in autonomous systems
14	Current autonomous system applications

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	30
Quiz(zes)		
Assignment	1	10
Attendance		
Practice		
Term Project		
Final	1	60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	2	2
Preparation For Mid-Term Exam	1	14	14
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	28	28
TOTAL WORKLOAD			100
ECTS CREDIT			4

COURSE TITLE	ERAS 165 INTRODUCTION TO ELECTRONICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
SARAN SAPMAZ	**Fall/Spring**	**2+1**	**5**
COURSE OBJECTIVES	This course aims to provide knowledge and skills in fundamental electrical and electronic concepts, the calculation of electrical quantities, the application of measurement techniques, and the identification of electrical and electronic materials in accordance with standards. Based on this knowledge, students will be able to construct various basic circuits.		
COURSE CONTENT	Course content systematically addresses electrical concepts within the framework of fundamental physical principles. Theoretical foundations and practical skills are developed in the analysis of electrical circuits, recognition of circuit components, and basic electronic applications. In parallel with theoretical instruction, laboratory sessions focus on circuit assembly, measurements, and basic-level circuit design implementations. This approach fosters both analytical thinking and practical application skills, establishing a strong technical foundation.		
SUGGESTED RESOURCES	Introduction to Electronics: A Basic Approach, Peter Basis Lecture Notes		
LEARNING OUTCOMES	▪ Defines electrical quantities and expresses them with appropriate units. ▪ Identifies circuit components with their symbols and explains their functions. ▪ Analyzes DC circuits using Ohm's Law. ▪ Assembles basic electrical circuits on a breadboard ▪ Measures circuit parameters using basic measurement instruments. ▪ Explains the operating principles of semiconductor components such as diodes, and transistors.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to electrical components
2	Ohm's Law and basic circuit analysis
3	Kirchhoff Laws
4	AC circuits: Resistor, Inductor and Capacitor
5	Fundamental components of electronics
6	Diodes
7	Transistors
8	Integrated Circuits
9	Number systems (binary, hexa, octo)
10	Boolen Algebra
11	Logic Gates
12	Karnaugh Maps
13	Half-bridges and Full Bridges
14	Overview of modern electronic and embedded system applications

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40
Quiz(zes)		
Assignment		
Attendance		
Practice		
Term Project		
Final	1	60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	3	42
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	28	28
TOTAL WORKLOAD			132
ECTS CREDIT			5

COURSE TITLE	ERAS 166 MACHINE LEARNING

LECTURER	Semester	Study Hour (T+A/L)	ECTS
SARAN SAPMAZ	**Spring**	**1+2**	**4**

COURSE OBJECTIVES	This course provides students with fundamental concepts of machine learning and its framework through real-world applications. It covers regression, classification, and clustering algorithms, as well as deep learning approaches such as neural networks.
COURSE CONTENT	Solving real-world problems using Python libraries for machine learning and deep learning, exploring alternative approaches, and comparing their results using appropriate performance metrics.
SUGGESTED RESOURCES	Artificial intelligence : a modern approach / Stuart J Russell, Stuart J. Russell, Peter Norvig. Lecture notes
LEARNING OUTCOMES	▪ Explain fundamental concepts of machine learning and deep learning ▪ Implement regression, classification, and clustering algorithms using Python libraries ▪ Evaluate and compare different machine learning models using appropriate performance metrics. ▪ Develop end-to-end machine learning solutions for real-world datasets. ▪ Perform data cleaning, preprocessing, and basic exploratory data analysis using Python libraries such as Pandas and NumPy.

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to Artificial Intelligence and Machine Learning
2	Python basics
3	Introduction to Data Science with pandas
4	Supervised Learning
5	Unsupervised Learning
6	Classification Problems
7	Regression Problems
8	Classical Machine Learning Algorithms (SVM, Forest)
9	Clustering (K-means)
10	Feature Extraction; Dimension Reduction
11	Introduction to Deep Learning
12	Neural Networks Architectures (CNN, RNN)
13	Neural Networks Architectures (GANs, LLMs, NLP)
14	Modern Artificial Intelligence Applications

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40
Quiz(zes)		
Assignment		
Attendance		
Practice		
Term Project		
Final	1	60
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	1.5	21
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	14	14
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	28	28
TOTAL WORKLOAD			105
ECTS CREDIT			4

COURSE TITLE	ERAS 167 TECHNICAL MATHEMATICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
SARAN SAPMAZ	**Fall**	**2+0**	**4**
COURSE OBJECTIVES	The objective of this course is to equip associate degree (vocational) students with essential mathematical knowledge and practical problem-solving skills required in technical fields. The course focuses on developing students' ability to apply fundamental concepts of algebra, trigonometry, matrices, and introductory calculus to real-life technical and occupational problems. By the end of the course, students will be able to interpret mathematical data, perform accurate calculations, and use mathematical methods effectively in their professional practice.		
COURSE CONTENT	Topics include basic mathematical terms, number systems, and order of operations; percentages, ratio and proportion; exponents and roots; absolute value and basic inequalities; solving first- and second-degree equations; coordinate systems and analytic geometry (lines and slopes); functions; matrices; trigonometric functions; and introductory concepts of differentiation and integration.		
SUGGESTED RESOURCES	Advanced Problems in Mathematics : Preparing for University / Stephen Siklos. Open Book Publishers, 2019 1 electronic resource (186 p.)		
LEARNING OUTCOMES	▪ Use fundamental mathematical concepts and terminology correctly. ▪ Perform basic algebraic and numerical calculations accurately. ▪ Apply mathematical methods to solve routine technical problems. ▪ Use functions, basic geometry, and trigonometry in practical applications. ▪ Understand and apply basic concepts of differentiation and integration.		

COURSE OUTLINE

WEEK	Topic(s)
1	Fundamental Terms, Number Systems, and Order of Operations
2	Percentages, Ratio, and Proportion
3	Exponents and Roots
4	Absolute Value and Basic Inequalities
5	Solving Equations (First- and Second-Degree)
6	Coordinate Systems
7	Analytic Geometry (Lines and Slopes)
8	Functions
9	Matrices
10	Trigonometric Functions
11	Introduction to Derivatives
12	Introduction to Derivatives II
13	Introduction to Integration I
14	Introduction to Integration II

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40
Quiz(zes)		
Assignment	1	10
Attendance		
Practice		
Term Project		
Final	1	50
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	1	2	2
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	14	14
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	28	28
TOTAL WORKLOAD			100
ECTS CREDIT			4

COURSE TITLE	ERAS 103 COMPUTER AIDED DESIGN - I		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZGECAN ZAFER KURT	**Fall**	**1+3**	**6**
COURSE OBJECTIVES	This course aims to provide students with an effective visual communication and design training and to use AutoCad program in their professional business life.		
COURSE CONTENT	Working on technical drawing and presentation techniques of interior design using Autocad program.		
SUGGESTED RESOURCES	Dogra, W., Willis, J. (2020) AutoCAD 2023: a power guide for beginners and intermediate users. CADArtifex. Muccio, D. (2021) AutoCAD 2022 for the Interior Designer. SDC Publications. Leach, A. J., Lockhart, S. (2021) AutoCAD Instructor. SDC Publications.		
LEARNING OUTCOMES	▪ Uses Autocad Program ▪ Produces technical drawings using digital media. ▪ Recognizes computer technologies and possibilities. ▪ Draws architectural plans using Autocad program. ▪ Draws architectural sections using Autocad program. ▪ Calculates quantity survey using Autocad drawings. ▪ Plots architectural drawings with scale drawn on Autocad.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the programs to be used during the semester and basic concepts.
2	Autocad: menus and basic drawing tools, line and shape commands
3	Other line commands, editing commands
4	Editing commands
5	Text, dimensions, line weights
6	Usage of layers, blocks and groups
7	Preparing to print and printing with scale
8	Midterm week
9	The representation of 3D spaces through 2D drawings
10	Plan drawing studies with Autocad
11	Quantity survey studies with Autocad plan drawings
12	Section drawing studies with Autocad
13	Exemplary plan, section and quantity survey applications
14	Preparing presentation boards using Autocad

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	20%
Quiz(zes)	0	0%
Assignment	1	30%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	4	56
Self-Study	14	4	56
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	5	5
Application	1	20	20
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			152
ECTS CREDIT			6

COURSE TITLE	ERAS 104 COMPUTER AIDED DESIGN - II		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZGECAN ZAFER KURT	**Spring**	**1+3**	**5**
COURSE OBJECTIVES	This course aims to provide students with the competencies to model, create three-dimensional space and represent their drawings in presentation boards or portfolios.		
COURSE CONTENT	Working on modelling and presentation techniques that using Photoshop and SketchUp.		
SUGGESTED RESOURCES	Brightman, M. (2018) The SketchUp Workflow for Architecture. New Jersey: John Wiley & Sons. Dıng, S. (2020) Photoshop for Interior Designers: A Nonverbal Communication. New York: Bloomsbury Publishing Inc. Brody, A. (2018) The complete sketchup companion for interior design. Bloomsbury. Cline, L. S. (2023) SketchUp for interior design : 3D visualizing, designing, and space planning. Wiley. Esquere, E. (2020) SketchUp: Step By Step Guide to Start SketchUp For Beginners. MacMillan. Schreyer, A. C. (2023) Architectural design with SketchUp : 3D modeling, extensions, BIM, rendering, making, scripting, and layout. John Wiley & Sons Inc. Tal, D. (2013) Rendering in Sketchup: From Modelling to Presentation for Architecture, Landscape Architecture, and Interior Design. New Jersey: John Wiley & Sons		
LEARNING OUTCOMES	▪ Uses SketchUp and Photoshop. ▪ Makes three dimensional drawings using computer aided design programs. ▪ Recognizes computer technologies and its possibilities. ▪ Creates three dimensional projects in their own field of study. ▪ Models furnitures, interior spaces and objects in 3D. ▪ Uses Photoshop for presentation boards and 2D architectural representations. ▪ Makes 2D and 3D architectural drawings' post-production edits using Photoshop program.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to SketchUp program: The interface, tool sets, line, surface and basic solid objects
2	Modelling 3D objects using 2D drawings
3	Modelling objects from given plans, sections and elevations
4	Modelling study of exemplary complex objects
5	Modelling study of exemplary furnitures
6	Modelling study of exemplary spaces
7	Modelling study of exemplary spaces and taking sections from a model
8	Architectural modelling studies, introduction to rendering engines
9	Midterm week
10	Introduction to Photoshop program, usage areas, basic shortcuts and examples
11	Photoshop menus, importing files and layer system
12	Editing tools and blending options
13	Rendering techniques on 2D technical drawings using Photoshop
14	Preparing a presentation board

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	20%
Quiz(zes)	0	0%
Assignment	1	30%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	4	56
Self-Study	14	3	42
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	5	5
Application	1	15	15
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			133
ECTS CREDIT			5

COURSE TITLE	ERAS 123 BRITISH FEMINIST THEATRE		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
BURÇİN BÜYÜKDÖĞERLİ	**Fall**	**4+0**	**6**
COURSE OBJECTIVES	The aim of this course is to enable students to learn all types of feminism and to analyse the theatre texts according to these theories.		
COURSE CONTENT	To examine Socialist, Radical, Liberal feminism theoretically and to apply the basic feminism elements by reading a selected play.		
SUGGESTED RESOURCES	Case, Sue Ellen. (Feminism and Theatre.) Wandor, Michelene."Political Dynamics: the feminisms". Carry on Understudies: Theatre and Sexual Politics. N.Y: Routledge, 1986. Caryl Churchill (Vinegar Tom), Timberlake Wertenbaker (Love of the Nightingale)		
LEARNING OUTCOMES	▪ Knows the definition of feminism in historical context. ▪ Knows types of feminism and their aims. ▪ It compares the types of feminism and identifies the strengths and weaknesses of each. ▪ Recognizes the feminist elements in the texts read.		

COURSE OUTLINE

WEEK	Topic(s)
1	A general explanation of feminism.
2	Further analysis of Socialist Feminism.
3	Further analysis of Radical Feminism.
4	Further analysis of Liberal Feminism.
5	The analysis of Vinegar Tom from scene 1 to 7.
6	The analysis of Vinegar Tom from scene 7 to 15.
7	The analysis of Vinegar Tom from scene 15 to 21.
8	Mid-term exam
9	The analysis of Love of the Nightingale from scene 1 to 7.
10	The analysis of Love of the Nightingale from scene 7 to 15.
11	The analysis of Love of the Nightingale from scene 15 to 21.
12	Secondary Reading on Vinegar Tom.
13	Secondary Reading on Love of the Nightingale.
14	Revision

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	20%
Quiz(zes)	1	10%
Assignment	1	10%
Attendance	1	10%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	4	56
Self-Study	0	0	0
Assignments	1	2	40
Preparation Of Presentation/ Seminar	1	2	34
Preparation For Mid-Term Exam	1	10	10
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	10	10
TOTAL WORKLOAD			150
ECTS CREDIT			6

COURSE TITLE	ERAS 124 FAIRY TALES		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
BURÇİN BÜYÜKDÖĞERLİ	**Fall/Spring**	**3+0**	**4**
COURSE OBJECTIVES	The aim of this course is to enable students to learn all types of feminism and to analyse the fairy tales in terms of these theories. .		
COURSE CONTENT	To examine Socialist, Radical, Liberal feminism theoretically and to discuss the basic feminism elements by reading selected tales.		
SUGGESTED RESOURCES	Grimm Brothers (The Original Folk and Fairy Tales)		
LEARNING OUTCOMES	▪ Examines fairy tales in historical context ▪ Knows the definition of feminism in historical context. ▪ Knows types of feminism and their aims. ▪ It compares the types of feminism and identifies the strengths and weaknesses of each. ▪ Recognizes the feminist elements in the texts read.		

COURSE OUTLINE

WEEK	Topic(s)
1	Discussing the Brothers Grimm collections of fairy tales.
2	Further analysis of Socialist Feminism.
3	Further analysis of Radical Feminism.
4	Further analysis of Liberal Feminism.
5	The analysis of Cinderella.
6	The analysis of The Wolf and the Fox.
7	The analysis of Rapunzel.
8	Mid-term exam
9	The analysis of Queen Bee.
10	The analysis of Snow White.
11	The analysis of The Golden Bird.
12	Secondary Reading on the selected fairy tales.
13	Secondary Reading on the selected fairy tales.
14	Revision

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	20%
Quiz(zes)	1	10%
Assignment	1	10%
Attendance	1	10%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	0	0	0
Assignments	1	2	20
Preparation Of Presentation/ Seminar	1	2	18
Preparation For Mid-Term Exam	1	10	10
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	10	10
TOTAL WORKLOAD			100
ECTS CREDIT			4

COURSE TITLE	ERAS 125 SHAKESPEARE'S PLAYS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
BURÇİN BÜYÜKDÖĞERLİ	**Fall**	**4+0**	**6**
COURSE OBJECTIVES	The aim of this course is to improve English language and evaluate Shakespeare plays. .		
COURSE CONTENT	Making text analysis on three important plays of Shakespeare.		
SUGGESTED RESOURCES	Shakespeare, William. (Hamlet) Shakespeare, William. (Macbeth)		
LEARNING OUTCOMES	▪ Knows the theatre of the Shakespeare period. ▪ Knows Shakespeare's contribution to world theatre history. ▪ Knows the drama features. ▪ Examines the drama elements in the texts read.		

COURSE OUTLINE

WEEK	Topic(s)
1	Biography of Shakespeare and his works.
2	Hamlet Act 1 review.
3	Hamlet Act 2 review.
4	Hamlet Act 3 review.
5	Hamlet Act 4 review.
6	Hamlet Act 5 review.
7	Secondary Reading on Hamlet.
8	Mid-term exam
9	Macbeth Act 1 review.
10	Macbeth Act 2 review.
11	Macbeth Act 3 review.
12	Macbeth Act 4 review.
13	Macbeth Act 5 review.
14	Secondary Reading on Macbeth.

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	20%
Quiz(zes)	1	10%
Assignment	1	10%
Attendance	1	10%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	4	56
Self-Study	0	0	0
Assignments	1	2	40
Preparation Of Presentation/ Seminar	1	2	34
Preparation For Mid-Term Exam	1	10	10
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	10	10
TOTAL WORKLOAD			150
ECTS CREDIT			6

COURSE TITLE	ERAS 126 LINGUISTICS		
COURSE CODE	**Semester**	**Study Hour (T+A/L)**	**ECTS**
TUĞBA KARAARSLAN	**Spring**	**3**	**5**
COURSE OBJECTIVES	This course aims to provide students with theoretical knowledge and practical and creative skills necessary for understanding and practicing the learned language materials at different levels of communicative use by working with textbooks and texts and participating in classroom discussions and workshops.		
COURSE CONTENT	This general introduction to the field of linguistics studies is introduced to the students, with emphasis on the rise and strengthening of linguistics as a scientific discipline, the methodological typology developed on the basis of the doctrine of Saussuren, and the main themes, which also reveal the preeminence and influence of other language- which will be beneficial to the learners and be put into practice by the learners in further linguistic studies and other lingual studies.		
SUGGESTED RESOURCES	Yule, George. The Study of Language Sixth Edition. Cambridge University Press. 2017; An Introduction to Linguistic Theory; Dilbilime Giriş		
LEARNING OUTCOMES	▪ Students will be able to describe concepts of linguistics. ▪ Students will be able to practise inter-lingual analysis (syntactic, word, phonology, semantics) on micro level. ▪ Students will be able to transfer micro linguistic units. ▪ Students will be able to explain the diversity of languages. ▪ Students will be able to explain the relationship of Linguistics with other sciences. ▪ Students will be able to learn the concepts of the language and culture ▪ Students will be able to learn the process of the acquisition of the first and the second language.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to Linguistics, What is linguistics? The Origins of Language
2	The Sounds of Language, The Sound Patterns of Language, Phonetics
3	Word Formation
4	Morphology and morphemes
5	Grammar
6	Syntax, syntactic rules, syntactic analysis
7	Semantics and Pragmatics
8	Mid-term exam
9	Discourse Analysis
10	Cohesion and Coherence
11	Language Acquisition and the brain
12	First and second language acquisition
13	Language history and Change
14	Language and Culture

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	5	70
Assignments	1	5	5
Preparation Of Presentation/ Seminar	1	6	6
Preparation For Mid-Term Exam	1	1	1
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	1	1
TOTAL WORKLOAD			125
ECTS CREDIT			5

COURSE TITLE	ERAS 127 HISTORY OF ENGLISH LITERATURE		
COURSE CODE	**Semester**	**Study Hour (T+A/L)**	**ECTS**
TUĞBA KARAARSLAN	**Fall**	**3**	**5**
COURSE OBJECTIVES	Reading and Reviewing Texts are given in the field of literature in the context of applications.		
COURSE CONTENT	Emergence of Novel, Historical Development, Characteristics of Novels, Narrator and Narrator Types in Novel, Point of View, Divine View, Observer Figure View Angle, Unique View Angle, Multiple View Angle, Characterization, Determination of Time and Time in Novel, Space in Novel and Angles of Space in Novel, Expression Techniques in Novel.		
SUGGESTED RESOURCES	Beowulf, Canterbury Tales, Romeo and Juliet, Great Expectations		
LEARNING OUTCOMES	▪ Students will be able to read a variety of literary texts. ▪ Students will be able to translate excerpts from novels from Turkish into English and from English into Turkish. ▪ Students will be able to translate plays from Turkish into English and from English into Turkish. ▪ Students will be able to analyse a variety of literary texts. ▪ Students will be able to obtain skills to make a presentation about the works of the English literature. ▪ Students will be able to have knowledge of a different culture. ▪ Students will be able to have knowledge of the history of a different culture.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the History of English Literature; Anglo-Saxons; Bede and Beowulf will be studied.
2	Medieval Times will be discussed and Chaucer and his work "The Canterbury Tales" will be studied.
3	The Renaissance Period and its works will be studied.
4	William Shakespeare and his plays will be studied in terms of their plots and themes.
5	John Milton and Paradise Lost will be analysed.
6	The Age of Reason will be studied with its works.
7	Some information will be given about Daniel Defoe and Oliver Goldsmith and their works.
8	Mid-term exam
9	The Romantic Period and its poets and writers will be discussed.
10	Some information about The Victorian Period will be given. Charles Dickens and his stories will be analysed considering the characteristics of the period.
11	The lives of Charlotte Bronté and Emily Bronté and their main works will be studied.
12	The Twentieth Century Period will be studied. The main works of Joseph Conrad; H.G. Wells; Bernard Shaw will be discussed.
13	The characteristics of the Twentieth Century Period will be studied. Robert Louis Stevenson, D.H. Lawrence and Virginia Woolf will be introduced with their main works.
14	George Orwell; Aldous Huxley ve William Golding will be introduced with their main works.

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	30%
Quiz(zes)	3	15%
Assignment	0	0%
Attendance	0	0%
Practice	1	5%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	6	84
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	1	1
Application	3	3	9
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	1	1
TOTAL WORKLOAD			137
ECTS CREDIT			5

COURSE TITLE	ERAS 128 TRANSLATION ORIENTED TEXT ANALYSIS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
NİHAL TUZCU	**Spring**	**3+0**	**5**
COURSE OBJECTIVES	The objectives of this course are to introduce students to the principles and techniques of text analysis for translation purposes and to equip them with the required skills.		
COURSE CONTENT	The course will cover the topics such as text analysis, dynamics of translation, translation theory, cultural consideration in translation, common-problems resulting in non-equivalence, strategies used by professional translators, and text types.		
SUGGESTED RESOURCES	"Textual Analysis: A beginner's Guide by Alan McKee Text and Discourse Analysis by Raphael Salkie. Publisher: Routledge. Date: 1995 Introducing Translation Studies – Theories and Applications by Jeremy Munday 1] Nord,C. (1988/91) Text Analysis in Translation, Amsterdam, Rodopi.[2] Reiss. K.		
LEARNING OUTCOMES	▪ Identify the dynamics of translation. 1.1. Define the dynamics of translation. 1.2. Explain the significance of text analysis in translation studies. ▪ Explain translation theory. 2.1. Define the concept of `translation`. 2.2. Define the tasks of a translator. 2.3. Explain the scope of text linguistics. ▪ Explain cultural consideration in translation.3.1. Define the concept of `culture` within the framework of translation studies.3.2. Define the concept of `equivalence`.3.3. Explain the common problems resulting in non-equivalence. ▪ Describe the strategies used by professional translators.4.1. Explain translation by a more general word.4.2. Explain translation by a more neutral word.4.3. Define translation by cultural substitution, using a loan word or loan word plus explanation. ▪ Identify the problems in the translation of collocation, idioms and fixed expressions. 5.1. Illustrate samples of collocation. 5.2. Illustrate samples of idioms. 5.3. Illustrate samples of fixed expressions. ▪ Identify text types. 6.1. Illustrate samples of informative texts. 6.2. Illustrate samples of expressive texts. 6.3. Illustrate samples of operative texts. 6.4. Illustrate samples of audio-medial texts. ▪ Identify pragmatic equivalence. 7.1. Explain the concept of `cohesion`.7.2. Define the concept of `coherence`.7.3. Define the concept of `implicature`.		

COURSE OUTLINE

WEEK	Topic(s)
1	What is "text analysis", why is it needed?
2	Translation and Translation Theory Defining Translation.
3	Extratextual and Intratextual factors and their interaction in the text: Christian Nord
4	Strategies Used by Professional Translators
5	Translation of idioms and fixed expressions
6	Pragmatic Equivalence
7	Functional Theories of Translation - Informative Texts. Translation Methods of Informative Texts.
8	Mid-term
9	Analysing translated texts through the translation norms developed by Gideon Toury
10	Loyalty to the source text in translation and coherency between the source text and the target text
11	Text Type 3: Operative Text Sermon. Electoral Speech. Advertisement.
12	Text Type 4: Audiomedial text. Films. Visual and Spoken Advertisements. Exercises on Related Texts.
13	Translation of various text types and implementation of the translation strategies. Exercises.
14	Scientific or Specific Field-Related Texts. Technical Translation- Specialized Translation. Exercises with related texts

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	0	0%
Quiz(zes)	0	0%
Assignment	1	40%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	2	28
Assignments	1	40	40
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	0	0	0
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			130
ECTS CREDIT			5

COURSE TITLE	ERAS 129 CHILDREN'S LITERATURE TRANSLATION		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
NİHAL TUZCU	**Spring**	**0+2**	**4**
COURSE OBJECTIVES	This course aims to deal with translation of Children's Literature, which is a special area of translation studies with its own special address. A brief history of translation of children's literature, theoretical approaches to this type of study and problems of translation for children are to be dealt with in this course. Also, cartoons, advertisements for children and nursery rhymes will be dealt with.		
COURSE CONTENT	Brief history of translation of children's literature; theoretical approaches to this type of study; problems of translation for children; translation of cartoons, advertisements for children and nursery rhymes.		
SUGGESTED RESOURCES	Yerli ve yabancı yazarlardan örneklerle çocuk edebiyatı, A. Ferhan Oğuzkan., Anı. Various texts and exercises provided by the instructor.		
LEARNING OUTCOMES	▪ To acquire a general knowledge on the history of children's literature from its origins to a written literature encompassing all major genres ▪ To understand the position of children`s literature and its translation in wider cultural contex ▪ To be familiarized with selected basic texts of children`s literature in English and Turkish ▪ To understand the challenges of translating children's literature and develop strategies to overcome these challenges ▪ To be able make ethical decisions during translation process considering children readers ▪ To be aware of the technological developments in Children's Literature and making translation decisions accordingly		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the course
2	Erikson's Stages of Psychosocial Development
3	Outlines of the history of children's literature
4	Characteristics of children's literature
5	Narrative structure of children's literature
6	Linguistic characteristics of children's literature
7	Understanding the needs of the audience, childproofing through ethical decisions during the translation process
8	Mid-term exam
9	Translating children's literature: Challenges and strategies.
10	Audio Visual Books
11	Translation Practice
12	Translation Practice
13	Translation Practice
14	Review

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	0	0%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	1	40%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	12	2	24
Self-Study	14	2	28
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	0	0	0
Application	1	35	35
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	15	15
TOTAL WORKLOAD			102
ECTS CREDIT			4

COURSE TITLE	ERAS 431 MARKETING		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
NESLİHAN PAKER	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	Marketing course aims to inform students about marketing principles by introducing basic concepts related to the definition of marketing, consumer behaviour, and organizational behaviour, target market selection, positioning and marketing mix strategies.		
COURSE CONTENT	Fundamentals of marketing, its definition and historical development, strategic planning and marketing process, marketing information system, marketing research, consumer behavior, organizational behavior, marketing mix; product, pricing, distribution, and promotion, social responsibility and marketing, ethics and marketing, service quality and compensation		
SUGGESTED RESOURCES	Kotler, P. & Armstrong, G. (2018), Principles of Marketing, New Jersey: Pearson; Solomıon,M.R.(2017). Consumer Behaviour: Buying, Having, and Being. Pearson Education; Wirtz, J., Chew, P., Lovelock, C.H. (2017). Essentials of Services Marketing, Pearson Education; Kotler, P. (1999). Kotler on marketing: how to create, win, and dominate markets. Free Press		
LEARNING OUTCOMES	▪ Explain the essential concepts of marketing ▪ Defines market segmentation methods, explains target market and positioning strategies ▪ Discusses the main reasons underlying consumer and organizational behaviour ▪ Explains the service quality, service failures and compensation ▪ Explains the marketing mix ▪ Explains the Relationship between Social Responsibility and Ethics Concepts and Marketing		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to Marketing
2	The Basics, Definition and Historical Development of Marketing
3	Strategic Planning and Marketing Process
4	Marketing Information System, Marketing Research
5	Consumer Behaviour
6	Organizational Behaviour
7	General Information About Marketing Mix
8	Mid-term exam
9	Product Concept in Marketing
10	Pricing Strategies in Marketing
11	Place Strategies in Marketing
12	Promotion Strategies in Marketing
13	Service Quality, Service Failures and Compensation
14	Social Responsibility & Marketing Ethics

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	35%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	55%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	1	20	20
Assignments	1	10	10
Preparation Of Presentation/ Seminar	1	4	4
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	21	21
TOTAL WORKLOAD			98
ECTS CREDIT			4

COURSE TITLE	ERAS 432 SERVICES MARKETING		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
NESLİHAN PAKER	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	Services Marketing course aims to provide general information about services and service marketing, to introduce the service marketing mix elements and the concept of service quality.		
COURSE CONTENT	Marketing and service concepts, types of services, characteristics and classification, service businesses, service marketing mix, service quality		
SUGGESTED RESOURCES	Wirtz, J., Chew,P., Lovelock, C.H. (2017). Essentials of Services Marketing, Pearson Education; Kotler, P. (1999). Kotler on marketing: how to create, win, and dominate markets. Free Press; Kotler, P. & Armstrong, G. (2018), Principles of Marketing, New Jersey: Pearson; Solomıon, M.R.(2017).Consumer Behaviour: Buying, Having, and Being. Pearson Education.		
LEARNING OUTCOMES	▪ Understanding marketing and service concepts ▪ Learning services types ▪ Getting to know service companies ▪ To know service marketing mix elements ▪ Adopting new approaches in service marketing ▪ Learning the service quality concept		

COURSE OUTLINE

WEEK	Topic(s)
1	Marketing and Service Concepts, Developments of These Concepts
2	Service Marketing and Marketing Mix (Product, Price)
3	Service Marketing and Marketing Mix (Distribution Channels, Promotion)
4	Personnel, Customer in Service Marketing
5	Physical Evidence and Processes in Service Marketing
6	Branding in Services
7	General Review
8	Mid-term exam
9	New Service Development
10	Service Quality Management
11	Service Quality Management
12	Service Failures and Compensations
13	Case Studies
14	General Review

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	35%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	55%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	1	20	20
Assignments	1	10	10
Preparation Of Presentation/ Seminar	1	4	4
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	21	21
TOTAL WORKLOAD			98
ECTS CREDIT			4

COURSE TITLE	ERAS 430 CONSUMER BEHAVIOUR		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
NESLİHAN PAKER	**Fall**	**2**	**4**
COURSE OBJECTIVES	The objectives of this course are; to facilitate comprehension of the decision-making process utilized by consumers, to analyze the various personal and environmental factors that exert influence on consumer decisions, and to ascertain the strategic implications of these influences and decisions on marketing pillars.		
COURSE CONTENT	This course covers the fundamental aspects of consumer behavior, the connection between consumer behavior and marketing, the psychological and social factors that impact consumer behavior, and the consumer decision-making process. It also discusses several marketing practices associated with consumer behavior.		
SUGGESTED RESOURCES	Solomon, Michael R.(2017). Consumer behavior : buying, having, and being. Pearson Education; Don Hellriegel.(2004). Organizational Behavior. Pearson Education		
LEARNING OUTCOMES	▪ Learning Key Concepts and Theories of Consumer Behaviour ▪ Discovering Internal Factors Influencing Consumer Behaviour ▪ Learning Social and Cultural Dynamics Behind Consumer Behaviour ▪ Understanding Consumer Decision-Making Process ▪ Learning psychological theories relevant for understanding consumer behaviour ▪ Learning marketing strategies for different segments of consumers ▪ Learning marketing practices on consumer behaviour		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to Consumer Behaviour
2	Consumer Behaviour and Marketing Relationship
3	Perception
4	Learning and Memory
5	Personality and Self-Concept
6	Motivation
7	Attitude
8	Mid-term exam
9	Culture
10	Values and Life Styles
11	Social Groups
12	Age, Income, Social Class, and Influencing Other Factors
13	Consumer Decision-Making Process
14	Case Studies on Consumer Behavior
	Final Exam

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	2	28
Assignments	1	4	4
Preparation Of Presentation/ Seminar	2	25	50
Preparation For Mid-Term Exam	1	25	25
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	35	35
TOTAL WORKLOAD			152
ECTS CREDIT			6

COURSE TITLE	ERAS 280 CITY LOGISTICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	The course's goal is to familiarize students with city logistics issues and to prepare them to solve basic problems that may arise.		
COURSE CONTENT	The course discusses several city logistics concepts to improve the distribution of goods by companies in a city. The course emphasis is on understanding when and how these concepts are applied.		
SUGGESTED RESOURCES	Taniguchi, E., & Thompson, R. G. (Eds.). (2014). City logistics: Mapping the future. CRC Press		
LEARNING OUTCOMES	▪ Get a better understanding of city logistics as a whole. ▪ Identify the needs and requirements for urban freight distribution. ▪ Create innovative solutions for solving city logistics issues. ▪ Investigate alternative solutions to different city logistics problems.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the course: topics covered and principles of the course
2	Introduction to city logistics, main definitions and concepts
3	Urban freight modelling
4	Vehicle Routing & Scheduling
5	Urban consolidation
6	City Logistics best practices around the world
7	City Logistics best practices around the world
8	Mid-term exam
9	City logistics game & Urban Logistics Analysis for Izmir
10	Performance measures for city logistics
11	Health, safety and Security concerns for city logistics
12	Sustainable City Logistics
13	Future Perspectives
14	Student Presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	1	14
Assignments	1	15	15
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	21	21
TOTAL WORKLOAD			98
ECTS CREDIT			4

COURSE TITLE	ERAS 281 SUPPLY CHAIN MANAGEMENT		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**3+0**	**6**
COURSE OBJECTIVES	The main aim of the course is to learn the supply chain, which is one of the basic concepts of logistics, in detail and in all its dimensions. In addition, important supply chain applications around the world and the history of the supply chain are given in this course. Thus, students will compare theoretical knowledge with practical applications and learn the subject in depth. It is also aimed at allowing students to see the basic dynamics and connections of business life through the supply chain.		
COURSE CONTENT	General supply chain concepts, supply chain processes, strategies, integration and collaboration in supply chains, demand forecasting, risk management		
SUGGESTED RESOURCES	Chopra, S. (2021). Supply Chain Management: Strategy, Planning, and Operation, 7th edition. Pearson.		
LEARNING OUTCOMES	▪ To know the basic functions of the supply chain. ▪ Understanding the Supply Chain strategy and processes. ▪ To know modern applications in Supply Chain. ▪ Carrying out supply chain and logistics functions at the basic level.		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to Supply Chain Management and Basic Concepts
2	Supply chain processes
3	Supply chain processes
4	A brief introduction to Production Management—Industry 4.0
5	Supply chain strategies
6	The bullwhip effect in supply chains and the beer game
7	Demand Forecasting in Supply Chains
8	Mid-term exam
9	Supply Chain Integration and Collaboration in Supply Chains
10	Performance management in the supply chain
11	Information Technologies in the Supply Chain
12	Risk Management in Supply Chains
13	Sustainable, resilient, agile, and lean supply chains
14	Project presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	2	28
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	1	20	20
Preparation For Final Exam	1	30	30
TOTAL WORKLOAD			145
ECTS CREDIT			6

COURSE TITLE	ERAS 282 DISTRIBUTION MANAGEMENT		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**1+2**	**5**
COURSE OBJECTIVES	The aim of this course is to transfer theoretical and practical information about distribution channels to students. Students who are interested in this field will be able to take decisions about channel management in a healthier and more effective way. There will also be an opportunity to learn about current issues such as omnichannel distribution channels, milkrun distribution, and last mile delivery.		
COURSE CONTENT	Distribution channels, retail distribution channels, milk run distribution, vehicle routing, cross docking, city logistics, last mile delivery, micro distribution		
SUGGESTED RESOURCES	Dent, J., & White, M. (2018). Sales and marketing channels: How to build and manage distribution strategy. Kogan Page Publishers.		
LEARNING OUTCOMES	▪ Explain the relationships between Distribution Channel members ▪ Recognizes different strategies used in distribution channels ▪ Knows the differences between distribution channels belonging to different sectors ▪ Explain the relationship between distribution channel and urban logistics		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to Distribution Channels (Distribution of Products and Services)
2	Retail Distribution Channels
3	Omni-channel Distribution
4	Other Distribution Channels
5	Milk Run Distribution
6	Vehicle Routing and Territory Design
7	Case Study
8	Mid-term exam
9	Cross-dock shipment and micro shipments
10	Case Study
11	City Logistics
12	City Logistics -Last Mile delivery, micro distribution
13	Cold chain distribution (Food, Pharma etc.)
14	Project presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	1	14
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	1	20	20
Preparation For Final Exam	1	30	30
TOTAL WORKLOAD			131
ECTS CREDIT			5

COURSE TITLE	ERAS 283 WAREHOUSE MANAGEMENT SYSTEMS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**2+0**	**5**
COURSE OBJECTIVES	The purpose of this course is to explain and discuss the ideas and concepts needed to operate storage and warehouse systems in a business effectively. Understanding the function of storage in warehouses and how it affects supply chain management and logistics operations is the goal of this course.		
COURSE CONTENT	Warehouse management concepts, warehouse operations, warehouse equipment, warehouse rack systems, stock management		
SUGGESTED RESOURCES	Warehouse Management. A complete guide to improving efficiency and minimizing costs in the modern warehouse. Gwynne Richards, 3rd Edition, 2018, Kogan Page Limited, London, UK.		
LEARNING OUTCOMES	▪ Define warehouse and warehouse management concepts and storage processes ▪ Classification of rack systems and equipment used in storage ▪ Identifying handling, packaging and value-added services ▪ Define the basic principles and importance of inventory control ▪ Applying stock control techniques at the beginner level		

COURSE OUTLINE

WEEK	Topic(s)
1	Warehouse and Warehouse Management Concepts
2	Types of Warehouses and Placement in Warehouses
3	Warehouse Operations and Storage Processes
4	Storage Processes
5	Warehouse equipment and containers
6	Warehouse equipment
7	Warehouse Racking Systems
8	Mid-term exam
9	Order picking in warehouses and Performance Management in Warehouses
10	Inventory and stock management
11	Stock management-ABC analysis
12	Warehouse Information systems and warehouse technologies
13	Warehouses of the future and Green warehouses
14	Project presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	2	28
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	1	10	10
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			120
ECTS CREDIT			5

COURSE TITLE	ERAS 284 ENGLISH FOR LOGISTICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	To provide students with the necessary foreign language infrastructure for international professional communication in their professional fields at A2 level and to enable them to communicate verbally and in writing by using foreign language acquisitions in logistics operations.		
COURSE CONTENT	The terminology related to the general definitions, activities and principles of logistics will be discussed in English.		
SUGGESTED RESOURCES	Career Paths/ Logistics, Virginia Evans, Express Publishing English for Logistics (Oxford Business English) Marion Grussendorf English for International Trade and Logistics, Fehim Bakırcı & Abdullah Tüzemen, Orion Publishing		
LEARNING OUTCOMES	▪ To be able to use the new structures and words learned in the lesson in their professional life ▪ Being able to evaluate the studies in their field using English ▪ Understanding and interpreting English texts written in the logistics field		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to business English
2	Introducing, telephoning, starting a speech
3	Writing Business E-mails
4	Marketing a product
5	Introdution to logistics
6	Logistics jobs and logistics services
7	Transportation
8	Mid-term exam
9	Supply chain management
10	Shipping goods
11	Warehousing and storage
12	Job interviews
13	Preparing an offer and requesting an offer
14	Assignment presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	1	10%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	1	10	10
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			106
ECTS CREDIT			4

COURSE TITLE	ERAS 285 INTRODUCTION TO LOGISTICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	The main objective of the course is to provide students with basic knowledge about logistics activities.		
COURSE CONTENT	Definition of Logistics; basic concepts and main activities of logistics; logistics applications for different sectors and circumstances.		
SUGGESTED RESOURCES	Bowersox, D. J., Closs, D. J., & Cooper, M. B. (2002). Supply Chain Logistics Management McGraw Hill. International edition. Murphy P.R., Knemeyer, A.M., (2017). Contemporary Logistics, 12/E, Pearson.		
LEARNING OUTCOMES	▪ To have knowledge about basic supply chain and logistics concepts ▪ To be able to explain basic logistics management activities. ▪ To be able to interpret the development of logistics in Turkey and in the world. ▪ To have information about current issues such as, green logistics, humanitarian logistics applications in different sectors.		

COURSE OUTLINE

WEEK	Topic(s)
1	The Concept of Logistics and Its Development
2	The Concept of Supply Chain Management and Its Relationship with Logistics
3	Getting Acquainted with Logistics Terminology
4	7 Truths of Logistics, Actors in Logistics, Outsourcing
5	Logistics in Turkey and in the World
6	Main Activities in Logistics Management (Storage, Handling, Transport)
7	Main Activities in Logistics Management (Storage, Packaging, Distribution, Customer Service)
8	Mid-term exam
9	Logistics Nodes
10	Logistics Information Systems
11	Logistics Applications in Different Sectors
12	Green, Humanitarian and Disaster Logistics
13	Introduction to Production Management and Logistics 4.0
14	Project presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	1	10%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	1	14
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	1	20	20
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			112
ECTS CREDIT			4

COURSE TITLE	ERAS 286 ROAD AND RAILWAY TRANSPORTATION		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	In this course, it is aimed to explain the institutions and parties, cargo and vehicle information, loading and shipping processes in road and rail (national and international) transportation.		
COURSE CONTENT	National and International legal regulations and agreements in road and rail transportation, Types and Characteristics of Cargo and Vehicle, Loading and Transportation Processes, Parties and documents used (National-International), national and international routes		
SUGGESTED RESOURCES	Coyle, J. J., Novack, R. A., Gibson, B., & Bardi, E. J. (2015). Transportation: a global supply chain perspective. Cengage Learning. Robert A. Novack (Author), Brian Gibson (Author), Yoshinori Suzuki (Author), John J. Coyle 2018		
LEARNING OUTCOMES	▪ To have information about legal regulations, institutions and parties in road and rail transportation (national and international) ▪ Ability to match cargo-vehicle in road and rail transport ▪ Knowing and arranging documents used in road and railway transportation (national and international) ▪ Ability to manage loading and transport processes at the operational level		

COURSE OUTLINE

WEEK	Topic(s)
1	Structure of Road Transport, national and international routes
2	National and International Regulations, Organizations, Parties and Responsibilities in Road Transport
3	Vehicles and their features in Road Transport
4	7 Vehicles and their features in Road Transport
5	Loading and Transport Process in road transport
6	National and International Transport Documents Used in Road Transport
7	Basic Concepts of Rail Transport
8	Mid-term exam
9	National and International Regulations, Organizations, National and International Transport Documents in railway transportation
10	National and international routes in Rail Transport
11	Freights and their properties in Rail Transport
12	Towing and Towed Vehicles in Railway Transportation and their features
13	Intermodal Transportation
14	Project presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	1	10%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	1	14
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	1	15	15
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			97
ECTS CREDIT			4

COURSE TITLE	ERAS 287 PROJECT LOGISTICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**2+0**	**4**
COURSE OBJECTIVES	The aim of the course is to give detailed information about project logistics, which is a niche logistics subject, to introduce the logistics operations and equipment used for non-standard cargoes, and to explain the risks that may occur during project logistics operations and the measures that can be taken against them.		
COURSE CONTENT	Project logistics processes, securing loads, risks and safety in project logistics		
SUGGESTED RESOURCES	Lecture Notes		
LEARNING OUTCOMES	▪ Define the basic concepts and rules of project logistics. ▪ Could be able to implement project logistics processes. ▪ Recognize the risks in project logistics.		

COURSE OUTLINE

WEEK	Topic(s)
1	Basic concepts of project management and project logistics
2	Processes in project logistics
3	Preparation and analysis phase (Determining the characteristics of the goods to be transported, the vehicles to be used and the type and characteristics of the loading-unloading equipment)
4	Preparation and analysis phase (Determining the characteristics of the goods to be transported, the vehicles to be used and the type and characteristics of the loading-unloading equipment)
5	Design phase (Operation outline and design)
6	Design (Cost and pricing) and decision stage
7	Planning (Determining the route, obtaining road pass permits, planning escort vehicle)
8	Mid-term exam
9	Implementation (Documentation, Monitoring of the operation, realization of customs and insurance transactions) and Finalization and Control
10	Lashing, Securing, Dunnage
11	Case study: Wind Turbine transport
12	Case study: Istanbul Airport-The Great Move
13	Risks and safety in project logistics
14	Project presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	35%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	1	15%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	1	14
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	15	15
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	1	15	15
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			97
ECTS CREDIT			4

COURSE TITLE	ERAS 288 GLOBAL LOGISTICS		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
ÖZLEM KOÇTAŞ ÇOTUR	**Fall/Spring**	**2+0**	**5**
COURSE OBJECTIVES	The primary objective of the course is to provide students with a global perspective on logistics and supply operations. In this context, both the logistics practices in the world and some important concepts of foreign trade are explained to the students.		
COURSE CONTENT	The following topics will be addressed: major global trade routes, global logistics clusters and hubs, International freight forwarding ,Global e-commerce and parcel delivery, Logistics Performance Index, global supply chains and its disruptions		
SUGGESTED RESOURCES	Mangan, J., Lalwani, C. & Calatayud A. (2020). Global logistics and supply chain management.4/E. Wiley. Manners-Bell, J. (2016) Introduction to Global Logistics: Delivering the Goods.Kogan Page		
LEARNING OUTCOMES	▪ Knows the global dimension of logistics in terms of international trade routes, facilities and hubs ▪ Understands the functioning and importance of global supply chains ▪ Knows the actors involved in global trade and their roles. ▪ Knows the documents used in global trade		

COURSE OUTLINE

WEEK	Topic(s)
1	The Concept of Logistics and Its Development
2	The Concept of Supply Chain Management and Its Relationship with Logistics
3	Getting Acquainted with Logistics Terminology
4	7 Truths of Logistics, Actors in Logistics, Outsourcing
5	Logistics in Turkey and in the World
6	Main Activities in Logistics Management (Storage, Handling, Transport)
7	Main Activities in Logistics Management (Storage, Packaging, Distribution, Customer Service)
8	Mid-term exam
9	Logistics Nodes
10	Logistics Information Systems
11	Logistics Applications in Different Sectors
12	Green, Humanitarian and Disaster Logistics
13	Introduction to Production Management and Logistics 4.0
14	Project presentations

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	1	10%
Final	1	50%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	1	14
Assignments	0	0	0
Preparation Of Presentation/ Seminar	1	5	5
Preparation For Mid-Term Exam	1	20	20
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	1	20	20
Preparation For Final Exam	1	20	20
TOTAL WORKLOAD			112
ECTS CREDIT			4

COURSE TITLE	ERAS 420 TRANSPORT OF DANGEROUS GOODS BY AIR		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
CEM AVCI	**Fall/Spring**	**3+0**	**6**
COURSE OBJECTIVES	In this course, it is aimed to provide basic information about air cargo transportation, to identify and classify dangerous goods, to teach transportation limits and methods, and to teach the use of IATA DGR book for dangerous goods transportation.		
COURSE CONTENT	This course includes basic knowledge of air cargo, the concept of dangerous goods, classification of dangerous goods, transport limits, documentation, loading and transportation methods of dangerous goods and the use of IATA DGR book for the transportation of dangerous goods.		
SUGGESTED RESOURCES	1. Dangerous Goods Regulations / IATA, 2022 2. Moving Boxes by Air: The Economics of International Air Cargo / Peter S. Morrell, Routledge, 2020		
LEARNING OUTCOMES	▪ Learns Basic Level of Knowledge About Air Cargo Transportation. ▪ Learns the Concept of Dangerous Goods, Regulations and Responsibilities. ▪ Knows Limits and Procedures in Dangerous Goods Transportation. ▪ Learns About Classification of Dangerous Goods. ▪ Gains Knowledge on Packaging, Marking and Labelling of Dangerous Goods. ▪ Learns About Loading Dangerous Goods and Submission with Documents. ▪ Learns to Use IATA DGR Book for Dangerous Goods Transportation.		

COURSE OUTLINE

WEEK	Topic(s)
1	Air Cargo Concept
2	Air Cargo Transport Types and Transport Units
3	The Role, Functions and Types of Capital Markets
4	Dangerous Goods Concept and Regulations
5	Responsibilities in Dangerous Goods Transportation
6	Dangerous Goods Limits, Dangerous Goods Prohibited to be Transported by Airline
7	Dangerous Goods Permitted to Carry with Passengers and Crew, Hidden Dangerous Goods
8	Mid-term exam
9	Dangerous Goods Transported by Mail, Dangerous Goods Under Carrier Ownership
10	Dangerous Goods in Exceptional and Limited Quantities
11	Classification of Dangerous Goods
12	Packaging, Marking and Labelling of Dangerous Goods
13	Loading Process of Dangerous Goods
14	Documentation of Dangerous Goods

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	40%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	0	0%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	2	28
Self-Study	14	2	28
Assignments	1	10	10
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	14	14
Application	0	0	0
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	26	26
TOTAL WORKLOAD			96
ECTS CREDIT			4

COURSE TITLE	ERAS 460 SURFACE ANATOMY AND PALPATION		
LECTURER	**Semester**	**Study Hour (T+A/L)**	**ECTS**
MEHMET ALPHAN ÇAKIROĞLU	**Fall**	**0+3**	**4**
COURSE OBJECTIVES	It aims to provide students with the general and regional superficial anatomy knowledge required in the application of other physiotherapy techniques, especially manual techniques, and correct palpation techniques in the light of this information.		
COURSE CONTENT	Within the scope of this course the positions and techniques of palpation of the externally palpable anatomical structures of the body will be covered.		
SUGGESTED RESOURCES	Palpation Techniques: Surface anatomy for physical therapists. George Thieme Verlag, Stuttgard. The muscle & bone palpation manual. Joseph E. Muscolino. Elsevier.		
LEARNING OUTCOMES	▪ The student knows superficial localization and boundaries of the anatomical structures. ▪ The student knows possible palpable anatomical structures of the body. ▪ The student knows the correct palpation techniques of the musculoskeletal system. ▪ The student can evaluate the results of palpation of the musculoskeletal system under normal conditions ▪ The student can evaluate the results of the palpation of the musculoskeletal system under abnormal conditions		

COURSE OUTLINE

WEEK	Topic(s)
1	Introduction to the Lecture and Terminology
2	Basic principles of palpation
3	Palpation techniques
4	Assistive devices of palpation
5	Palpation of the structures of shoulder-arm complex
6	Palpation of the structures of shoulder-arm complex
7	Palpation of the structures of vertebral column
8	Mid-term exam
9	Palpation of the structures of vertebral column
10	Palpation of the structures of hip and pelvis
11	Palpation of the structures of hip and pelvis
12	Palpation of the structures of knee
13	Palpation of the structures of foot and ankle
14	Palpation of soft tissues

GRADING POLICY

ASSESMENT TOOL	Quantity	Percentage
Mid-Term(s)	1	20%
Quiz(zes)	0	0%
Assignment	0	0%
Attendance	0	0%
Practice	1	20%
Term Project	0	0%
Final	1	60%
TOTAL		**100%**

ECTS WORKLOAD

ACTIVITY	Quantity	Duration	Total Workload (Hrs)
Lecture Duration	14	3	42
Self-Study	14	1	14
Assignments	0	0	0
Preparation Of Presentation/ Seminar	0	0	0
Preparation For Mid-Term Exam	1	3	3
Application	1	28	28
Laboratory	0	0	0
Preparation Of Term Project	0	0	0
Preparation For Final Exam	1	3	3
TOTAL WORKLOAD			90
ECTS CREDIT			4