



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Building Science I							
Course Code		MRP109		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		the kinds of elements that make up the structure, production methods, to explain the features and usage.							
Course Content		The concept of building technology, submission of building and construction systems, analysis of the structure, the expected performance characteristics, building ground relations, introduction to building sub-systems, structural system and structures bearing structural systems, functional building elements, the structure of the basic design principles of wall and floor elements, application It covers topics related techniques.							
Work Placement		No							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study					
Name of Lecturer(s)		Lec. Esra AKSOY							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	ADAMS, E.C., Yapı Bilgisi , YÖK Yayını
2	ERTEN, E., Yapı Elemanları I-II Karadeniz Teknik Üniversitesi Basımevi , Trabzon, 1992
3	KUBAN, D. , Mimarlık Kavramları , Yapı Endüstri Merkezi Yayını , İstanbul , 1986

Week	Weekly Detailed Course Contents	
1	Theoretical	Course contents, methods and structure of the definition, characteristics and classification of structures
2	Theoretical	Subsoil, types of soil, ground examination of the structure of
3	Theoretical	Building lot, to be applied to the floor plan, excavation
4	Theoretical	Foundations, rules need to be considered in the basic
5	Theoretical	Basics types
6	Theoretical	Basics types
7	Theoretical	Fences and walls should include features
8	Intermediate Exam	Midterm exam
9	Theoretical	Wall types
10	Theoretical	Wall types in terms of function
11	Theoretical	Carrier and divider walls
12	Theoretical	General characteristics of the stone used in stone walls and walls
13	Theoretical	Brick walls
14	Theoretical	General properties of brick walls
15	Theoretical	General properties of brick walls

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	11	1	12
Final Examination	1	9	1	10
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Explains the historical development and definition of the structure.
2	By the classification of structures, learn the identification of structural order.
3	learning about the surface features of the building will have information about the foundation.
4	Explain the main features and draws according to building type.
5	Describes the task in the wall structure.
6	Walls are classified in terms of features.
7	Foundations, columns, beams and walls draw the construction details.

Programme Outcomes (Architectural Restoration)

1	The restoration, structural information, the matters required by the construction technology and infrastructure areas have sufficient theoretical and practical knowledge in this field and win.
2	Using the basic level of knowledge and skills acquired in the field, interpret and evaluate data, identify problems, analyze, would have the ability to develop solutions based on evidence.
3	Restoration terminology, values that protect the basic principles for the identification and protection purposes, the protection will have information about the evolution of understanding and methods.
4	The causes of deterioration tile works, to be implemented between the restoration and conservation methods and have the basic information about the techniques.
5	modern techniques required for applications related to the field, tools, and you can select and use information technology effectively.
6	Drawing to gain the perspective necessary, plans, sections, elevations, have knowledge about perspective drawings and descriptions, at various scales, section, learn how to view details and to review the project.
7	The concept of traditional crafts, periods, techniques, materials, and have knowledge about the historical development.
8	When faced with unforeseen situations in the field of application to produce solutions, won the individual to take responsibility in the team or work ability.
9	By using computer-related applications and commands used in the project drawings, studies measuring the output settings and make applications work on the plan.
10	Labor law and occupational safety, environmental protection and quality have the consciousness.
11	Archaeological research methods, have knowledge about excavation methods and types. drawing museum in presentation material examination of the legislation in the application of archeology and artifacts within the scope of the documentation and cataloging acquire knowledge and skills.
12	Survey, restoration, knows the basic principles and methods in restitution and conservation. The history of restoration and will have the necessary information about the current restoration techniques applied in the world.
13	building materials that are used in historical buildings, construction techniques, have a general knowledge about the causes of deterioration and preservation techniques.
14	Wood will have a basic knowledge of the causes of deterioration and take necessary protection methods.
15	on Traditional Turkish House Architecture; The origin of Turkish houses, regional specialties, plan types, building systems, construction materials, will have information about the features and facade decorations.
16	have knowledge about perspective drawings and descriptions, at various scales, section, learn how to view details and to review the project.
17	control services in buildings, unit price and description analysis, excavation, and will have information about transportation and accounting affairs.
18	He gains the ability to conduct research.
19	The creation of an architectural project and all the architectural layout of the project and learn the making of three-dimensional computer drawings of the visual.
20	They have to respect the historical value of professional ethics.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7
P1	5	5	5	5	5	5	5
P2	5	5	5	5	5	5	5
P3	4	4	4	4	4	4	4
P4	2	2	2	2	2	2	2
P5	4	4	4	4	4	4	4
P6	1	1	1	1	1	1	1
P7	2	2	2	2	2	2	2
P8	4	4	4	4	4	4	4
P9	2	2	2	2	2	2	2
P10	3	3	3	3	3	3	3



P11	1	1	1	1	1	1	1
P12	2	2	2	2	2	2	2
P13	5	5	5	5	5	5	5
P14	4	4	4	4	4	4	4
P15	4	4	4	4	4	4	4
P16	1	1	1	1	1	1	1
P17	1	1	1	1	1	1	1
P18	5	5	5	5	5	5	5
P19	2	2	2	2	2	2	2
P20	5	5	5	5	5	5	5

