COURSE INFORMATON					
Course Title	*Code*	*Semester*	*L+P+L Hour*	*Credits*	*ECTS*
Adaptive Reuse Project II	SIS 502		3 + 2 + 0	3	8

Prerequisites	-

Language of Instruction	English
Course Level	MSc
Course Type	Mandatory
Course Coordinator	Assist. Prof. Dr. Begüm ERÇEVİK SÖNMEZ
Instructors	Assist. Prof. Dr. Aslan NAYEB, Assist. Prof. Dr. Begüm ERÇEVİK SÖNMEZ
Assistants	
Goals	It is aimed to propose a new function in line with environmental analysis, to design interior spaces and to transfer cultural heritage to future generations in a way that will enable **the reuse of structures such as warehouses, storehouse, silos, factories, which are accepted as industrial heritage.**
Content	Within the scope of the project, students will analyse the possibilities and limits of the given area and define the user profile. Spatial and functional requirements will be determined. Students will propose new closed, open or semi-open spaces as required by the function, without damaging the existing structural system and façade openings. The solid or cavitated partition walls, the different floor levels, and the internal openings can be designed. Without damaging the existing exterior facade, a cavitated or a solid new outer shell can be designed on the exterior surface. The indoor facilities can be extended to the exterior, and temporary or permanent facade extensions can be designed. Students are expected to present their interior designs with 1/50, 1/20, 1/10 and 1/5 scale architectural drawings, perspectives and working models.

Learning Outcomes	**Programme Learning Outcomes**	**Teaching Methods**	**Assessment Methods**
To understand the cultural dimension of sustainability.	2,6,10	1,2,4,5,6,13,15	A, C, D
To understand the necessity and significance of adaptive reuse for cultural sustainability.	2,6,10	1,2,4,5,6,13,15	A, C, D
To project the theoretical knowledge about reuse.	1,3,4,5,7,8,9	1,2,4,5,6,13,15	A, C, D
To learn to apply the methods of reuse.	1,3,4,7,8,9	1,2,4,5,6,13,15	A, C, D

To learn the problems and solutions that can be experienced during the re-use of an industrial heritage building.	1,3,4,7	1,2,4,5,6,13,15	A, C, D
To learn the methods of rearranging an industrial heritage building. and reorganizing spatial arrangements.	1,3,4,7,8	1,2,4,5,6,13,15	A, C, D

Teaching Methods:	1. Lecture, 2. Question and Answer, 3. Discussion, 4. Drill and practice, 5. Field Trip, 6. Team/Group Work, 7. Role Play, 8. Preparing and/or Presenting Reports, 9. Demonstration, 10. Experiment, 11. Observation, 12. Case Study, 13. Problem Solving, 14. Brain Storming, 15. Project Design/Management
Assessment Methods:	A: Testing, B: Presentation, C: Homework D: Project Development

COURSE CONTENT

Week	Topics	Study Materials
1	Information about the given project topic and venues	
2	Examination of existing project examples; Investigation of spatial and functional requirements;	Library and field research
3	Trip to the project area and environmental analysis; Investigation of the potentials of the given area;	Preparation and research for the technical trip
4	Development of the design concept; Establishing a concept-form-space relationship; Development of space organization;	Library and field research Sketches and models
5	**Interim Jury 1 (Concept Jury)**	**Completion of the jury preparation**
6	Drawing interiors in 1/50 scale; Reflecting the material, color, texture and lighting decisions related to the design concept to the design;	Scaled drawings and model preparation
7	Drawing interiors in 1/50 scale; Reflecting the material, color, texture and lighting decisions related to the design concept to the design;	Scaled drawings and model preparation
8	Drawing interiors in 1/50 scale; Reflecting the material, color, texture and lighting decisions related to the design concept to the design;	Scaled drawings and model preparation
9	Drawing interiors in 1/50 scale; Reflecting the material, color, texture and lighting decisions related to the design concept to the design;	Scaled drawings and model preparation
10	Drawing interiors in 1/50 scale; Reflecting the material, color, texture and lighting decisions related to the design concept to the design;	Scaled drawings, detailed drawings and model preparation
11	**Midterm Jury 2 (Midterm Exam Jury)**	**Completion of the jury preparation**
12	Drawing interior details in 1/50 and 1/20 scale; Creation of 1/5 or 1/10 furniture system details;	Scaled drawings, detailed drawings and model preparation
13	Drawing interior details in 1/50 and 1/20 scale; Creation of 1/5 or 1/10 furniture system details;	Scaled drawings, detailed drawings and model preparation

14	Study of mechanical systems such as HVAC, lighting and fire systems;	Preliminary research and interviews with companies
15	Final critique and evaluation before the Final Jury	Completion of drawings, models and jury presentations

RECOMMENDED SOURCES	
Textbook	---
Additional Resources	1. AHUNBAY, Z. (1996), "Tarihi Çevre Koruma ve Restorasyon", YEM Yayın, İstanbul. 2. TAYLA, H. (2007), "Geleneksel Türk Mimarisinde Yapı Sistem ve Elemanları (Cilt I – II), TAÇ Vakfı Yayınları, İstanbul 3. Van UFFELEN, C. (2010), "Re-Use Architecture", BRAUN 4. WONG, L. (2016), "Adaptive Reuse: Extending the Lives of Buildings", Birkhauser. 5. HASOL, D. (2018) "Türk Ahşap Konut Mimarisi 1.-19. Yüzyıllar", İş Bankası Yayınları 6. KÜÇÜKERMAN, Ö (1985) "Turkish House – In search of Spatial Identity" Türkiye Turing ve Otomobil Kurumu 7. Human Dimension & Interior Space: A Source Book of Design Reference Standarts / J. Panero & M. Zelnik 8. Interior spaces: space, light, material / ed. C.Schittich, Munchen: Edition detail, 2002 9. International Interiors 2: Offices, Studios, Shops, Restaurants, Bars, Clubs, Hotels, Cultural and Public Buildings, Lewis Blackwell. 10. Time-saver standarts for interior design and space planning/ed.J.De Chiara, J. Panero, M. Zelnik, New York: Mc Graw – Hill, 2001 11. Human Dimension & Interior Space; J.Panero, M.Zelnik, 1979, New York. 12. Neufert, Yapı Tasarımı Temel Bilgileri, Ocak 2008, Beta Yayın Dağıtım A.Ş. 13. Mimarlık Biçim, Mekan ve Düzen; Francis D.K. Ching, 2007, YEM Yayınları. 14. İç Mekan Tasarımı; Francis D.K. Ching, 2008, YEM Yayınları. 15. İç Mekan Tasarımı Nedir? Graeme Brooker, Sally Stone, Yapı Endüstri Merkezi Kitabevi.

MATERIAL SHARING	
Documents	
Assignments	
Exams	

ASSESSMENT		
IN-TERM STUDIES	**NUMBER**	**PERCENTAGE**
Mid-term Jury I	1	40
Mid-term Jury II	1	40
Homeworks and participation	12	20
Total		**100**
CONTRIBUTION OF FINAL EXAMINATION TO OVERALL GRADE		50
CONTRIBUTION OF IN-TERM STUDIES TO OVERALL GRADE		50
Total		**100**

COURSE CATEGORY	Expertise/Field Courses

COURSE'S CONTRIBUTION TO PROGRAMME							
No	Program Learning Outcomes	Contribution					
		1	2	3	4	5	
1	Ability to have knowledge about sustainable design principles and application methods.					**X**	
2	Ability to have knowledge of the history and scope of sustainable design.			**X**			
3	Ability to explain the general principles of ecological design approaches on an architectural scale.					**X**	
4	Ability to recognize environmental technologies and use them within the scope of architectural design.				**X**		
5	Ability to critically evaluate the academic and professional studies on sustainable design.			**X**			
6	Ability to explain the social extent of sustainability and to research, analyze and critically evaluate the sustainability of cultural heritage.					**X**	
7	The ability to individually maintain a study on sustainability.					**X**	
8	The ability to convey an individual and/or group study about sustainability in written, verbal and visual forms.				**X**		
9	The ability to search for information, use databases and other resources, and conduct an original scientific study.		**X**				
10	The ability to respect social and cultural rights, be sensitive to the conservation of the natural environment and cultural heritage, and the ability to decide and act with a sense of justice.					**X**	

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity	Duration (Hour)	Total Workload (Hour)
Course Duration (Including the exam week: 14x Total course hours/week)	14	5	70
Hours for off-the-classroom study (Pre-study, practice, review/week)	12	5	60

Midterm Jury I	1	5	5
Midterm Jury II	1	5	5
Homework	12	5	60
Final Jury	1	5	5
Total Work Load			205
Total Work Load / 25 (h)			8,2
ECTS Credit of the Course			8