COURSE DESCRIPTION AND APPLICATION INFORMATION

Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Deterioration in Cultural Monuments	CH 513	Fall	03+00+00	Elective	3	7.5

Academic Unit:	Graduate School of Science and Engineering
Mode of Delivery:	Face to face
Prerequisites:	-
Language of Instruction:	English
Level of Course Unit:	Graduate
Course Coordinator:	Füsun ALİOĞLU
Course Objectives:	Advanced knowledge and comprehension of decaying process in cultural heritage and causes.
Course Contents:	General decaying causes in movable objects and in buildings. Specific problems in movable objects. Causes of decay in buildings (location, geophysic causes, seasonal problems, water induced problems, biological and chemical problems, design and application problems, planning problems, incorrect infrastructure applications, incorrect restorations, incorrect uses, traffic and vibration, natural disasters, fire, war, vandalism, neglect). General causes of decay and determination of causes, documentation of damage (photos and drawings), measuring, monitoring.
Learning Outcomes of the Course Unit (LO):	• **1-** Ability to understand decaying process of cultural heritage and causes • **2-** Knowledge on physical, chemical characteristics of building materials
Planned Learning Activities and Teaching Methods:	Lecture, discussion, student presentation (oral and in written form), site visit

WEEKLY SUBJECTS AND RELATED PREPARATIONS

Week	Subjects	Related Preperation
1	Decaying causes in general	-
2	Decaying causes of wood and its conservatiion	Suggested readings
3	Decaying causes of masonry buildings, stone as building material and its conservatiion	Suggested readings
4	Decaying causes of earth (sun dried mud brick, fired mud brick) material and its conservation	Suggested readings
5	Decaying causes of metal as building material and its conservation	Suggested readings
6	Earthquake and buildings	Suggested readings
7	EXAM, Earthquake and buildings	Suggested readings
8	Problems induced by incorrect design, application, restorations or uses, planning	Suggested readings
9	Natural disasters	Suggested readings
10	Theoretical approaches to conservation methods	Suggested readings
11	Conservation of movable objects	Suggested readings
12	Emergency conservation	Suggested readings
13	Student presentation	Suggested readings/Preparation to the

		presentation
14	General evaluation/Student presentation	Suggested readings/Preparation to the presentation

At Kadir Has University, a Semester is 14 weeks; The weeks 15 and 16 are reserved for final exams.

REQUIRED AND RECOMMENDED READING

-

OTHER COURSE RESOURCES

Ahunbay, Z. Tarihi Çevre Koruma ve Restorasyon, 1996. Feilden, Bernard M. , Conservation of historic buildings, Elsevier Architectural Press Amsterdam, 2003 Günay, R. Geleneksel Ahşap Yapılar / Sorunları Ve Çözüm Yolları, 2002 Küçükkaya, A. G. Taşlarin Bozulma Nedenleri Koruma Yöntemleri, Birsen Yayinevi Uvina Contreras, F. Adobe conservation : a preservation handbook, Sunstone Pres, Santa Fe, NM 2006 Weaver, M. E. Conserving Buildings, 1997. Zachariadou, Osmanlı İmparatorluğu'nda Doğal Afetler, 2001

ASSESSMENT METHODS AND CRITERIA

Semester Requirements	Number	Percentage of Grade (%)
Attendance / Participation	14	15
Homework Assignments	1	10
Presentation / Jury	1	10
Other Practices (seminar, studio critics, workshop etc.)	3	15
Midterms / Oral Exams / Quizes	1	10
Final Exam	1	40
Total:	**21**	**100**

WORKLOAD

Events	Count	Duration (Hours)	Total Workload (hour)
Course Hours	14	3	42
Field Work	4	3	12
Homework Assigments	1	10	10
Preparation for Presentation / Jury	1	13	13
Other Practices (seminar,studio critics,workshop, etc.)	3	4	12
Extra-Class Activities (reading,individiual work, etc.)	13	6	78
Midterms / Oral Exams / Quizes	1	10	10

Final Exam	1	10	10
Total Workload (hour):			**187**

1 ECTS = 25 Hours Workload

THE RELATIONSHIP BETWEEN COURSE LEARNING OUTCOMES (LO) AND PROGRAM QUALIFICATIONS (PQ)

#	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9
LO1									
LO2									

Contribution: 1 Low, 2 Average, 3 High