EARTHQUAKE SAFETY OF BUILDING PRODUCTION

1	Course Title:	EARTHQUAKE SAFETY OF BUILDING PRODUCTION
2	Course Code:	MIM5041
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. MURAT TAŞ
15	Course Lecturers:	Yok
16	Contact information of the Course Coordinator:	murattas@uludag.edu.tr 0224 2942137 B.U.Ü. Mimarlık Fakültesi Mimarlık Bölümü Nilüfer/ Bursa
17	Website:	
18	Objective of the Course:	Assumed an important role in the building production process for architects about earthquake resistant building production process, advanced research, analysis, synthesis, and deliver a level of knowledge to comment.
19	Contribution of the Course to Professional Development:	Learn basic principles related to production of an earthquake safety buildings
20	Learning Outcomes:	
	1	To have a general knowledge about the formation, properties, varieties and definition of the earthquake
	2	Be knowledgeable about the features of Turkey's earthquake
	3	Earthquake-building interaction to learn relationships
	4	Learn basic principles related to production of an earthquake safety buildings
	5	
	6	
	7	
	8	
	9	
	10	
21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	The importance of the earthquake, definition and general information	
2	Characteristics of earthquakes and earthquake in Turkey	

3	Buildings, the effect of the earthquakes	
4	The basic principles related to the earthquake safety of buildings	
5	Parameters of earthquake-safety building production	
6	Awareness of earthquake-safety building demand	
7	Planning of earthquake-safety building areas	
8	Earthquake-safety building design	
9	Earthquake-safety building design	
10	Construction process of earthquake-safety building	
11	Use of earthquake-safety buildings	
12	Earthquake hazard mitigation	
13	Earthquake hazard mitigation	
14	An overview of the course and the course evaluation	

22	Textbooks, References and/or Other Materials:	•Çamlıbel, N., “Depreme Dayanıklı Yapıların Tasarım İlkeleri” İstanbul, 1994 •Dowrick, J.D., “Earthquake Resistant Design” Second Edition, By John Wiley & Sons Ltd., 1987 •Ersoy, U., “Binaların Deprem Dayanımında Mimarinin Önemi” Yapı 125, sf 58, İstanbul •Göcer, O., “Afet Bölgeleri ve Uygulanacak Önlemler” Tezcan, S., “Depreme Dayanıklı Tasarım İçin Bir Mimarın

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	9.00	126.00
Homeworks	1	12.00	12.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	0	0.00	0.00
Total Work Load			180.00
Total work load/ 30 hr			6.00
ECTS Credit of the Course			6.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
Final Exam	0	0.00
Contribution of Term (Year) Learning Activities to		100.00

Contribution of Final Exam to Success Grade	0.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	research assignments and presentations are made within the scope of the determined subject.

24	**ECTS / WORK LOAD TABLE**

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	1	1	3	3	3	1	1	1	1	1	2	1	0	0	0	0

ÖK2	2	2	2	2	2	2	2	1	2	2	1	1	0	0	0	0
ÖK3	4	2	4	2	4	4	1	1	3	4	4	4	0	0	0	0
ÖK4	4	3	3	2	3	3	3	1	2	5	5	5	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**