GENERAL GEOLOGY

1	Course Title:	GENERAL GEOLOGY	
2	Course Code:	ORMZ105	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	1	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr. Gör. Dr. NURHAN SÜMER	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları	
16	Contact information of the Course Coordinator:	nsumer@uludag.edu.tr Uludağ Üniversitesi Büyükorhan Meslek Yüksekokulu, Orhan Mah., Dr. İbrahim Öktem Cad., No: 28, 16990 Büyükorhan/Bursa Telefon : +90 (224) 8412439	
17	Website:		
18	Objective of the Course:	Giving informations about basic principles of geology and use this knowledge to solve problems about natural resources and agricultural production.	
19	Contribution of the Course to Professional Development:	Students who complete this program learn the properties and types of elements and minerals within the scope of general geology. Learns what rock groups are and how to differentiate. Learn the formation processes of various rocks and the factors affecting them. Learns the developmental stages in geological times.	
20	Learning Outcomes:		
		1	Having basic knowledge on geology and analyze potential problems.
		2	Having knowledge of the structure and its generation of planet earth.
		3	Being able to identify landforms and their relations between natural forces.
		4	Rock and minerals allows the properties, their spesifications and their roles on soil production.
		5	Gain information about engineering properties of rock and earth mass,
		6	Gain skills and knowledge to produce solutions to the problems related to natural resources
		7	
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		9	
		10	
21	Course Content:		

	Course Content:	
Week	Theoretical	Practice
1	Introduction; Definiton and the history of geology	Definiton of geology
2	General specifications of the planet earth.	Definiton of general specifications of the planet earth.
3	Minerals	Examples of minerals
4	Physical and chemical properties of minerals	Examples of minerals
5	Rocks Magmatic, sedimentary and metamorphi; c rocks	Magmatic rock samples
6	Rocks; Magmatic, sedimentary and metamorphic rocks.	sedimentary rock samples
7	Weathering and soil formation events	Metamorphic rock samples
8	Geological periods and maps	Geological periods and maps
9	Mid-term exam	Mid-term exam
10	Epirogenic and orogenic movements	Epirogenic and orogenic movements
11	Earthquakes and natural disasters	Earthquakes and Features of Natural Disasters
12	Usage and management of natural resources	Usage and management of natural resources samples
13	Carst Landforms	Carst Landforms
14	Environmental impact assessment	ÇED report examples

22	Textbooks, References and/or Other Materials:	Dirim, M. S., “Geology Lecture Notes”. U. Ü. Zir. Fak. Soil Division, Bursa. Ketin, İ., “General Geology. Introduction to Earth Sciences ”, Volume 1. İ.T.Ü. Printing House, Istanbul, 1993. Şenol, S., “Geomorphology Lecture Notes”, Ç. Ü. Zir. Fak. Soil Division, Adana, 1994. Press and Siever, “Earth” (4th edition). W. H. Freeman and Company, New York, U.S.A, 1986. W.C. Montgomery, “Fundementals of Geology”, Wm.C. Brown Publishers, 1996.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation is carried out according to the principles of Bursa Uludağ University Associate and Undergraduate Education Regulation.

24	**ECTS / WORK LOAD TABLE**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	1.00	14.00
Self study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	5	5.00	25.00
Midterm exams	1	2.00	2.00
Others	0	0.00	0.00
Final Exams	1	3.00	3.00
Total Work Load			114.00
Total work load/ 30 hr			3.80
ECTS Credit of the Course			4.00

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	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	3	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	3	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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