

Campus:	Main campus
Faculty:	Faculty of Earth Sciences and Engineering
Department:	Mining Engineering Department
OBE coordinator	Dr. Muhammad Zaka Emad

Noe: Mapping can be done by matching the keywords or statement parts of each CLO (or course discription) with SDGs. Please see the additional sheets for more details. In following table, we only need Course-SDGs mapping for all the courses.

Courses and SDGs mapping																			
Sr #	Code	Course	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
			No Poverty	Zero Hunger	Good Health and Well-being	Quality Education	Gender Equality	Clean Water and Sanitation	Affordable and Clean Energy	Decent Work and Economic Growth	Industry, Innovation and Infrastructure	Reduced Inequality	Sustainable Cities and Communities	Responsible Consumption and Production	Climate Action	Life Below Water	Life on Land	Peace & Justice Strong Institutions	Partnerships to achieve SDGs
1	MA-113	Calculus & Analytic Geometry				Yes					Yes								
2	ME-122L	Engineering Drawing				Yes					Yes								
3	Min-E-110	Applied Geology				Yes								Yes					
4	CY-143	Physical and Industrial Chemistry				Yes					Yes								
5	ME-100L	Workshop Practice				Yes					Yes								
6	IS-101	Islamic & Pakistan Studies-I				Yes			Yes			Yes						Yes	
7	CS-103	Introduction of Computer Programming for Data Sciences				Yes					Yes								
8	EE-199	Basic Electrical and Electronics Engineering				Yes					Yes								
9	Phy-116	Applied Physics				Yes					Yes								
10	HU-111	Communication Skills				Yes				Yes									
11	Min-E-120	Stratigraphy and Structural Geology				Yes					Yes			Yes					
12	Min-E-121	Mining Engineering Fundamentals				Yes					Yes			Yes					
13	QT-101	Translation of the Holy Quran-I				Yes				Yes		Yes						Yes	
14	MA-228	Differential Equations				Yes					Yes								
15	MA-235	Engineering Mechanics				Yes					Yes								
16	CE-231	Fluid Mechanics-I				Yes					Yes								
17	ME-210	Applied Thermodynamics				Yes					Yes								
18	IS-201	Islamic & Pakistan Studies-II				Yes				Yes		Yes						Yes	
19	MA-234	Linear Algebra				Yes					Yes								
20	MA-242	Engineering Statistics				Yes					Yes								
21	ME-220	Mechanics of Materials				Yes					Yes								
22	HU-221	Technical Writing and Presentation Skills				Yes													Yes
23	Min-E-240	Surveying				Yes					Yes			Yes					
24	QT-201	Translation of the Holy Quran-II				Yes				Yes		Yes						Yes	

25	Min-E-350	Rock Mechanics				Yes				Yes	Yes			Yes					
26	Min-E-351	Mineral Exploration				Yes				Yes	Yes			Yes					
27	MA-240	Numerical Analysis				Yes				Yes									
28	Min-E-353	Mine Ventilation				Yes				Yes	Yes			Yes					
29	Geo-E-353	Introduction to GIS and Remote Sensing				Yes				Yes	Yes			Yes					
30	Min-E-352	Mine Power Drainage & Material Handling				Yes				Yes	Yes			Yes					
31	Min-E-360	Ground Control Engineering				Yes				Yes	Yes			Yes					
32	Min-E-361	Underground Mine Design				Yes				Yes	Yes			Yes					
33	Min-E-362	Surface Mine Design				Yes				Yes	Yes			Yes					
34	Min-E-363	Explosives Engineering				Yes				Yes	Yes			Yes					
35	QT-301	Translation of the Holy Quran-III				Yes				Yes		Yes						Yes	
36	IME-371	Engineering Economics				Yes				Yes									
37	MGT-410	Project Management				Yes					Yes								
38	Min-E-470	Tunneling and Excavation Engineering				Yes				Yes	Yes		Yes	Yes					
39	Min-E-473	Mining and Environment			Yes	Yes		Yes		Yes			Yes	Yes	Yes				
40	Min-E-472	Mineral Processing				Yes		Yes			Yes			Yes					
41	Min-E-475	Senior Design Project-I				Yes			Yes	Yes	Yes		Yes	Yes					Yes
42	Min-E-484	Mine Hazards, Safety and Health Management			Yes	Yes		Yes			Yes		Yes	Yes					
43	Min-E-403	Organizational Behavior				Yes												Yes	
44		Sociology (Social Sciences)*				Yes	Yes					Yes							
45		Understanding of Psychology and Human Behavior (Social Sciences)*			Yes	Yes						Yes						Yes	
46	Min-E-404	Professional Ethics (Social Sciences)*				Yes	Yes					Yes						Yes	
47	MGT-413	Entrepreneurship (Social Sciences)*	Yes	yes		Yes													
48	Min-E-421	Coal Technology (\$ Technical Electives)				Yes					Yes			Yes					
49	Min-E-422	Solution Mining (\$ Technical Electives)				Yes					Yes			Yes					
50	Min-E-423	Operations Research (\$ Technical Electives)				Yes					Yes		Yes						
51	Min-E-425	Cement Technology				Yes				Yes	Yes			Yes					
52	Min-E-426	Commercial Explosive Handling and storage (\$ Technical Electives)				Yes					Yes			Yes					
53	Min-E-427	Drilling Technology (\$ Technical Electives)				Yes					Yes								
54	Min-E-483	Mining Law				Yes				Yes		Yes							
55	Min-E-485	Senior Design Project-II				Yes			Yes	Yes	Yes		Yes	Yes					Yes
56	QT-401	Translation of the Holy Quran-IV				Yes				Yes		Yes						Yes	