TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP

COURSE INFORMATION						PROGRAMME OUTCOMES							
Code	**Course Name**	**T**	**P**	**Credit**	**ECTS**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**
FALL SEMESTER													
MUH8001	Scientific Research Techniques and Publication Ethics	**3**	**0**	**3**	**8**	4	3	4	3	5	5	5	5
MAD7001	Seminar	**0**	**2**	**0**	**8**	5	5	5	5	5	5	5	5
MAD7003	Doctoral Qualification	**0**	**0**	**0**	**30**	5	5	5	5	5	5	5	5
MAD7005	Specialized Field Course	**5**	**0**	**0**	**2**	5	5	5	5	5	5	5	5
MAD7007	Thesis Proposal	**0**	**0**	**0**	**30**	5	5	5	5	5	5	5	5
MAD7009	Thesis Research	**0**	**1**	**0**	**30**	5	5	5	5	5	5	5	5
MAD8001	Design of Experiments in Mineral Processing	**3**	**0**	**3**	**8**	5	5	4	2	3	3	3	2
MAD8003	Environmental Impact Assesment in Mines	**3**	**0**	**3**	**8**	3	3	3	4	4	2	2	4
MAD7101	Rock Mass Analysis in Mining	**3**	**0**	**3**	**8**	5	5	5	5	4	5	5	4
MAD7103	Water Disposal and Management in Mines	**3**	**0**	**3**	**8**	5	5	4	4	5	4	4	5
MAD7105	Performance Prediction of Mechanical Excavators	**3**	**0**	**3**	**8**	4	4	3	5	4	2	2	3
MAD7107	Measurement and Applications in Underground	**3**	**0**	**3**	**8**	4	4	3	3	3	2	2	3
MAD7109	Design in Underground Coal Mining	**3**	**0**	**3**	**8**	4	4	4	3	3	2	2	2
MAD7111	Clean Coal Technologies	**3**	**0**	**3**	**8**	4	4	3	4	4	3	3	5
MAD7113	Mıneral Based Additives	**3**	**0**	**3**	**8**	5	5	5	5	5	5	5	5
MAD7115	Evaluation Of Process Wastes	**3**	**0**	**3**	**8**	5	5	5	4	4	3	4	3
MAD7117	Grinding Kinetics	**3**	**0**	**3**	**8**	5	5	5	2	3	3	3	2
SPRING SEMESTER													

MAD7002	Seminar	**3**	**0**	**3**	**8**	5	5	5	5	5	5	5	5
MAD7004	Doctoral Qualification	**3**	**0**	**3**	**8**	5	5	5	5	5	5	5	5
MAD7006	Specialized Field Course	**5**	**0**	**0**	**2**	5	5	5	5	5	5	5	5
MAD7008	Thesis Proposal	**0**	**1**	**0**	**2**	5	5	5	5	5	5	5	5
MAD7010	Thesis Research	**0**	**1**	**0**	**30**	5	5	5	5	5	5	5	5
MAD8002	Statistical Methods	**0**	**2**	**0**	**6**	5	3	4	3	4	2	3	2
MAD8004	Pre-treatment in Mineral Processing	**3**	**0**	**3**	**8**	4	4	3	5	4	4	3	5
MAD7102	Basic Engineering Structures	**3**	**0**	**3**	**8**	5	4	5	3	5	4	5	5
MAD7104	Logistic Systems in Mines	**3**	**0**	**3**	**8**	5	5	4	4	5	4	4	5
MAD7106	Rock Cutting Mechanics	**3**	**0**	**3**	**8**	5	4	5	5	4	2	2	3
MAD7108	Natural Stone Production and Processing Technologies	**3**	**0**	**3**	**8**	3	4	3	4	4	2	3	4
MAD7110	Mine Valuation	**3**	**0**	**3**	**8**	3	5	5	3	4	3	4	4
MAD7112	Advanced Flotation Techniques	**3**	**0**	**3**	**8**	5	4	3	4	4	4	3	5
MAD7114	Characterization Of Powder Material	**3**	**0**	**3**	**8**	5	5	5	5	5	5	5	5
MAD7116	Extractive Metallurgy of Precious Metals	**3**	**0**	**3**	**8**	5	5	5	4	4	3	4	3
MAD7118	Simulation in Mineral Processing	**3**	**0**	**3**	**8**	5	5	5	2	3	3	3	2