

Rajasthan Technical University, Kota M.Tech. Scheme  
 Self Financed 4 Semester Course of Civil Engineering Department Teaching Scheme  
 M.Tech (Geotechnical Engineering): Full Time 2008-09

**BRANCH CODE** GE  
**SEMESTER** I

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
1MGE1	Geotechnical Engineering	3	1		25	100	125
1MGE2	Design of Embankment Dams	3	1		25	100	125
1MGE3	Rock Engineering	3	1		25	100	125
1MGE4	Elective I	3	1		25	100	125
	1MGE4.1 Ground Improvement Techniques						
	1MGE4.2 Geosynthetics in Geotechnical Engg.						
	1MGE4.3 Geoenvironmental Engineering						
1MGE5	Geotechnical Engg.Lab-1			3	60	40	100
<b>TOTAL</b>		12	4	3	160	440	600

**SEMESTER** II

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
2MGE1	Geotechnical Testing and Instrumentation	3	1		25	100	125
2MGE2	Numerical and Analytical Methods in Geomechanics	3	1		25	100	125
2MGE3	Advance Foundation Engineering	3	1		25	100	125
2MGE4	Elective II	3	1		25	100	125
	2MGE4.1 Soil Dynamics						
	2MGE4.2 Advance Rock Engineering						
	2MGE4.3 Soil Hydraulics						
2MGE5	Geotechnical Engg.Lab-2			3	60	40	100
<b>TOTAL</b>		12	4	3	160	440	600

**SEMESTER** III

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
3MGE1	Theoretical Soil Mechanics	3	1		25	100	125
3MGE2	Design Of Retaining Structures	3	1		25	100	125
3MGE3	Dissertation Stage -I			3	100		100
3MGE4	Seminar			3	150		150
<b>TOTAL</b>		6	2		300	200	500

**SEMESTER** IV

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	P	T			
4MGE1	Dissertation Stage -II				500		500

<b>Total</b>					1120	1080	2200
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\* As per the guidelines issued in the Previous faculty meeting dated 08/05/2008 in terms of electives.