

DR. K. N. MODI UNIVERSITY



Department of Civil Engineering

Study and evaluation scheme (2018-19)

M.TECH (Geotechnical Engineering)

M.Tech (Geotechnical Engineering) I Semester

S. No.	Subject Code	Subject Name	Period			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	01MTGTE101	Advanced Soil Mechanics	3	1	0	40	60	100	4
2	01MTGTE102	Dynamics of Soil and Foundations	3	1	0	40	60	100	4
3	01MTGTE103	Experimental Geomechanics	3	1	0	40	60	100	4
4	01MTGTE104 /05/06	Elective-I	3	1	0	40	60	100	4
LAB									
1	01MPGTE101	Geotechnical Laboratory-I	0	0	2	50	50	100	1
2	01MPGTE102	Seminar	0	0	2	50	50	100	1
3	01MP1010	Seamless Learning	0	0	2	100		100	1
4	01MP1011	Co-Curricular Activities	0	0	2	100		100	1
	Total		12	4	8			800	20

Elective – I

- MTGTE104 Reinforced Earth
- MTGTE105 Rock Mechanics
- MTGTE106 Geotechnical Exploration & Measurement Technique

II Semester

S. No.	Subject Code	Subject Name	Period			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	01MTGTE201	Advanced Foundation Engineering	3	1	0	40	60	100	4
2	01MTGTE202	Environmental Geotechnology	3	1	0	40	60	100	4
3	01MTGTE203	Geo Synthetics in Civil Engineering	3	1	0	40	60	100	4
4	01MTGTE204 /05/06	Elective-II	3	1	0	40	60	100	4
LAB									
1	01MPGTE201	Geotechnical Investigation Practices	0	0	2	50	50	100	1
2	01MPGTE202	Geotechnical Laboratory-II	0	0	2	50	50	100	1
2	01MP2010	Seamless Learning	0	0	2	100		100	1
3	01MP2011	Co-Curricular Activities	0	0	2	100		100	1
Total			12	4	8			800	20

Elective-II

- 01MTGTE204 Foundation on Expansive Soil
- 01MTGTE205 Mechanics of Unsaturated Soil
- 01MTGTE206 Remote Sensing and Its Application in Geotechnical Engineering

III Semester

S. No.	Subject Code	Subject Name	Period			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	02MTGTE301	Earth and Rockfill Dams	3	1	0	40	60	100	4
2	02MTSE302-02MTSE305	Elective-III	3	1	0	40	60	100	4
LAB									
1	02MPGTE301	Seminar	0	0	2	50	50	100	2
1	02MPGTE303	*Dissertation	0	0	6	50	50	100	6
2	02MP3010	Seamless Learning	0	0	2	100		100	1
3	02MP3011	Co-Curricular Activities	0	0	2	100		100	1
Total			6	2	12			600	18

Elective-III

- 02MTGTE302 Earth Pressure and Earth Retaining Structures
- 02MTGTE303 Shallow Foundations
- 02MTGTE304 Pavement Engineering
- 02MTGTE305 Soil Structure Interaction

IV Semester

S. No	Subject Code	Name of the Subject	Periods			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	02MPGTE401	Dissertation	0	0	18	200	400	600	18
2	02MP4010	Seamless Learning	0	0	2	100		100	1
3	02MP4011	Co-Curricular Activities	0	0	2	100		100	1
		TOTAL			22			800	20