

**DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Program Code: **17** **M. Tech. (Geomatics Engineering)**
 Department: **CE** **Civil Engineering**
 Year: **II**

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Semester- I (Autumn)														
1.	CEN-701A	Dissertation Stage-I (to be continued next semester)	DIS	12	-	-	-	-	-	-	-	-	100	-
		Total		12										
Note: Students can take 1 or 2 audit courses as advised by the supervisor, if required.														
Semester-II (Spring)														
1.	CEN-701B	Dissertation Stage-II (contd. From III semester)	DIS	18	-	-	-	-	-	-	-	-	100	-
		Total		18										

Summary				
Semester	1	2	3	4
Semester-wise Total Credits	22	18	12	18
Total Credits	70			

Program Elective Courses (Geomatics Engineering)

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1.	CEN-611	Analytical and Digital Photogrammetry	PEC	4	3	-	2	3	-	15	25	20	40	-
2.	CEN-612	Advanced Digital Image Processing	PEC	4	3	-	2	3	-	15	25	20	40	-
3.	CEN-613	Thermal, Microwave and Hyperspectral Remote Sensing	PEC	4	3	-	2	3	-	15	25	20	40	-
4.	CEN-614	Theory and Applications of GIS	PEC	4	3	-	2	3	-	15	25	20	40	-
5.	CEN-615	Geoinformatics for Natural Disasters	PEC	4	3	-	2	3	-	15	25	20	40	-
6.	CEN-616	Geoinformatics for Landuse Surveys	PEC	4	3	-	2	3	-	15	25	20	40	-
7.	CEN-617	Satellite Geodesy	PEC	4	3	-	2	3	-	15	25	20	40	-
8.	CEN-618	Modelling and Analysis of Geospatial Data	PEC	4	3	-	2	3	-	15	25	20	40	-