

Semester III

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7435	070121301 CE	Solid Mechanics	C	4	-	-	-	-	40	60	4	100
T7422	070121302 CE	Fluid Mechanics I	C	3	2	-	-	-	40	60	4	100
T7445	070121303 CE	Surveying I	C	3	2	-	-	-	40	60	4	100
T7401	070121304 CE	Building Construction and Materials	C	3	-	-	-	-	30	45	3	75
T7412	070121305 CE	Engineering Geology	C	3	-	-	-	-	30	45	3	75
T7436	070121306 CE	Solid Mechanics Lab	C	-	-	2	10	15	-	-	1	25
T7423	070121307 CE	Fluid Mechanics I Lab	C	-	-	2	10	15	-	-	1	25
T7446	070121308 CE	Surveying I Lab	C	-	-	2	10	15	-	-	1	25
T7402	070121309 CE	Building Construction and Materials Lab	C	-	-	2	10	15	-	-	1	25
T7413	070121310 CE	Engineering Geology Lab	C	-	-	2	10	15	-	-	1	25

Liberal Arts (Choose any two from 311 to 320)

T6184	070121311 CE	Basic German I	ID	2	-	-	-	-	50	-	2	50
T6185	070121312 CE	Basic German II	ID	2	-	-	-	-	50	-	2	50
T6186	070121313 CE	Basic French I	ID	2	-	-	-	-	50	-	2	50
T6187	070121314 CE	Basic French II	ID	2	-	-	-	-	50	-	2	50
T6188	070121315 CE	Basic Spanish I	ID	2	-	-	-	-	50	-	2	50
T6189	070121316 CE	Basic Spanish II	ID	2	-	-	-	-	50	-	2	50
T6167	070121317 CE	Basics of Microeconomics	ID	2	-	-	-	-	50	-	2	50
T6168	070121318 CE	Basics of Macroeconomics	ID	2	-	-	-	-	50	-	2	50
T6274	070121319 CE	Foundations of Ethics	ID	2	-	-	-	-	50	-	2	50
T6275	070121320 CE	Concept of Wealth and Prosperity	ID	2	-	-	-	-	50	-	2	50
		Total		20	4	10	50	75	280	270	27	675

Semester IV

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7388	070121401 CE	Engineering Mathematics -III	C	3	2	-	-	-	40	60	4	100
T7438	070121402 CE	Structural Analysis-I	C	3	2	-	-	-	40	60	4	100
T7403	070121403 CE	Building Design and Drawing	C	4	-	-	-	-	40	60	4	100
T7424	070121404 CE	Fluid Mechanics II	C	3	2	-	-	-	40	60	4	100
T7405	070121405 CE	Concrete Technology	C	4	-	-	-	-	40	60	4	100
T7404	070121406 CE	Building Design and Drawing Lab	C	-	-	2	10	15	-	-	1	25
T7425	070121407 CE	Fluid Mechanics II Lab	C	-	-	2	10	15	-	-	1	25
T7406	070121408 CE	Concrete Technology Lab	C	-	-	2	10	15	-	-	1	25
T8000	070121409 CE	Service Learning	ID	4	-	-	-	-	100	-	4	100
		Total		21	6	6	30	45	300	300	27	675
T4005	0070121410 CE	*Integrated Disaster Management	GP	-	-	-	-	-	-	-	-	Letter Grade

Semester V

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7437	070121501 CE	Structural Analysis-II	C	3	2	-	-	-	40	60	4	100
T7450	070121502 CE	Transportation Engineering-I	C	3	-	-	-	-	30	45	3	75
T7433	070121503 CE	Quantity Surveying and Valuation	C	4	-	-	-	-	40	60	4	100
T7416	070121504 CE	Environmental Engineering -I	C	3	-	-	-	-	30	45	3	75
T7439	070121505 CE	Structural Design-I	C	3	2	-	-	-	40	60	4	100
T7447	070121506 CE	Surveying-II	C	3	-	-	-	-	30	45	3	75
T7434	070121507 CE	Quantity Surveying and Valuation Lab	C	-	-	2	10	15	-	-	1	25
T7417	070121508 CE	Environmental Engineering -I Lab	C	-	-	2	10	15	-	-	1	25
T7440	070121509 CE	Structural Design-I Lab	C	-	-	2	10	15	-	-	1	25
T7448	070121510 CE	Surveying-II Lab	C	-	-	2	10	15	-	-	1	25

Free Elective (Choose any one from 511 to 522)												
T7457	070121511 CE	Integrated Water Resources Development and Management	C	3	-	-	-	-	30	45	3	75
T7456	070121512 CE	Town and Country Planning	C	3	-	-	-	-	30	45	3	75
T7499	070121513 CE	Java	ID	3	-	-	-	-	30	45	3	75
T7509	070121514 CE	Open Source Technologies	ID	3	-	-	-	-	30	45	3	75
T7474	070121515 CE	Basics of Database	ID	3	-	-	-	-	30	45	3	75
T7574	070121516 CE	MATLAB	ID	3	-	-	-	-	30	45	3	75
T7584	070121517 CE	Printed Circuit Board (PCB) Design	ID	3	-	-	-	-	30	45	3	75
T7602	070121518 CE	Automobile Engineering	ID	3	-	-	-	-	30	45	3	75
T7650	070121519 CE	Six Sigma	ID	3	-	-	-	-	30	45	3	75
T7020	070121520 CE	Nanotechnology	ID	3	-	-	-	-	30	45	3	75
T7394	070121521 CE	Smart Materials	ID	3	-	-	-	-	30	45	3	75
T7393	070121522 CE	Computer based Statistical Packages	ID	3	-	-	-	-	30	45	3	75
Total				22	04	08	40	60	240	360	28	700

Semester VI

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ES		
							Int	Ext				
T7419	070121601 CE	Environmental Engineering -II	C	3	-	-	-	-	30	45	3	75
T7428	070121602 CE	Geotechnical Engineering - I	C	3	2	-	-	-	40	60	4	100
T7407	070121603 CE	Construction Techniques and Management	C	3	-	-	-	-	30	45	3	75
T7441	070121604 CE	Structural Design-II	C	3	2	-	-	-	40	60	4	100
T7451	070121605 CE	Transportation Engineering - II	C	3	-	-	-	-	30	45	3	75
T7454	070121606 CE	Water Resources Engineering	C	3	-	-	-	-	30	45	3	75
	070121607 CE	Inter Institute Course I	ID	2	-	-	-	-	50	-	2	50
	070121608 CE	Inter Institute Course II	ID	2	-	-	-	-	50	-	2	50
T7420	070121609 CE	Environmental Engineering-II Lab	C	-	-	2	10	15	-	-	1	25
T7429	070121610 CE	Geotechnical Engineering-I Lab	C	-	-	2	10	15	-	-	1	25
T7442	070121611 CE	Structural Design-II Lab	C	-	-	2	10	15	-	-	1	25
T7452	070121612 CE	Transportation Engineering - II Lab	C	-	-	2	10	15	-	-	1	25
Total				22	04	08	40	60	300	300	28	700

Semester VII

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	La b	Practical		CA	ESE		
							Int	Ext				
		Group A										
T7920	070121701 CE	Internship (6 Months)	PD	-	-	-	240	160	-	-	16	400
T7671	070121702 CE	Seminar	PD	-	-	-	60	40	-	-	4	100
		Total		-	-	-	300	200	-	-	20	500
		Group B										
T7803	070121703 CE	Project	PD	-	-	6	45	30	-	-	3	75
T7905	070121704 CE	Internship(6-8 Weeks)	PD	-	-	10	75	50	-	-	5	125
T7453	070121705 CE	Water Power Engineering	C	4	-	-	-	-	40	60	4	100
T7410	070121706 CE	Earth structures	C	4	-	-	-	-	40	60	4	100
T7048	070121707 CE	Project Management	C	4	-	-	-	-	40	60	4	100
		Total		12	-	16	120	80	120	180	20	500
	070121708 CE	Global Immersion Programme		-	-	-	-	-	-	350	14	350
T7801	070121709 CE	Mini Project	C	0	0	0	0	0	50	0	2	50

Note: For student under Global Immersion Programme (070121708 CE) and Mini Project (070121709 CE), course “Internship (6 months)” (070121701 CE) will be waived off.

Semester VIII

Temporary Course Code	Course Code	Course Title	Nature	Teaching Scheme			Examination Scheme Marks				Total Credits	Total Marks
				L	T	Lab	Practical		CA	ESE		
							Int	Ext				
T7804	070121801 CE	B.Tech Project	PD	-	-	8	40	60	-	-	4	100
T7430	070121802 CE	Geotechnical Engineering -II	C	3	2	-	-	-	40	60	4	100
T7443	070121803 CE	Structural Design – III	C	3	-	-	-	-	30	45	3	75
T7408	070121804 CE	Dams and Hydraulic Structures	C	3	-	-	-	-	30	45	3	75
T7444	070121805 CE	Structural Design – III Lab	C	-	-	2	10	15	-	-	1	25
T7409	070121806 CE	Dams and Hydraulic Structures Lab	C	-	-	2	10	15	-	-	1	25
Elective-I (Choose any one from 807 to 809)												
T7431	070121807 CE	Infrastructural Engineering	C	3	-	-	-	-	30	45	3	75
T7427	070121808 CE	Geographic Information Systems	C	3	-	-	-	-	30	45	3	75
T7449	070121809 CE	Systems Approach in Civil Engineering	C	3	-	-	-	-	30	45	3	75
Elective-II (Choose any one from 810 to 813)												
T7400	070121810 CE	Advanced Design of RCC Structures	C	3	-	-	-	-	30	45	3	75
T7411	070121811 CE	Earthquake Engineering	C	3	-	-	-	-	30	45	3	75
T7432	070121812 CE	Pavement Design and Construction	C	3	-	-	-	-	30	45	3	75
T7455	070121813 CE	Ferro Cement	C	3	-	-	-	-	30	45	3	75
Total				15	02	12	60	90	160	240	22	550

For 2 hours tutorial, there will be 1 hour classroom teaching and 1 hour for projects/self-study/assignments.

L- Lecture , T-Tutorial, HA-Home Assignment

C - Core Course

ES - Engineering Science Course

GP - General Proficiency Course

ID - Inter Disciplinary Course

Practical external examination may be conducted by alternate internal faculty

CA- Continuous Assessment, ESE- End Semester Examination

Practical, CA, ESE are separate heads of Passing

Int- Internal (Practical)

Ext- External (Practical)

PD - Professional Development Course