

## 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
		<b>Total</b>		<b>20</b>	<b>4</b>	<b>10</b>	<b>50</b>	<b>75</b>	<b>280</b>	<b>270</b>	<b>27</b>	<b>675</b>

## 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
		<b>Total</b>		<b>21</b>	<b>6</b>	<b>6</b>	<b>30</b>	<b>45</b>	<b>300</b>	<b>300</b>	<b>27</b>	<b>675</b>
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
<b>Total</b>				<b>22</b>	<b>04</b>	<b>08</b>	<b>40</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>28</b>	<b>700</b>

## 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
<b>Total</b>				<b>22</b>	<b>04</b>	<b>08</b>	<b>40</b>	<b>60</b>	<b>300</b>	<b>300</b>	<b>28</b>	<b>700</b>

## Semester VII

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				
		<b>Group A</b>										
T7920	070121701 CE	Internship (6 Months)	PD	-	-	-	240	160	-	-	16	400
T7671	070121702 CE	Seminar	PD	-	-	-	60	40	-	-	4	100
		<b>Total</b>		-	-	-	<b>300</b>	<b>200</b>	-	-	<b>20</b>	<b>500</b>
T7801	070121709 CE	Mini Project	C	0	0	0	0	0	25	0	1	25
	070121708 CE	Global Immersion Programme		-	-	-	-	-	-	-	15	375
		<b>Group B</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
		<b>Total</b>		<b>12</b>	-	<b>16</b>	<b>120</b>	<b>80</b>	<b>120</b>	<b>180</b>	<b>20</b>	<b>500</b>

**Note: Student may complete Global Immersion Programme (070121708 CE) Mini Project (070121709 CE) in lieu of the course Internship (070121701 CE).**

## 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
<b>Elective-I (Choose any one from 807 to 809)</b>												
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
<b>Elective-II (Choose any one from 810 to 813)</b>												
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
<b>Total</b>				<b>15</b>	<b>02</b>	<b>12</b>	<b>60</b>	<b>90</b>	<b>160</b>	<b>240</b>	<b>22</b>	<b>550</b>

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