

Programme: B. Tech/C.E.

Semester : II

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Course Type	L	T	P	Cr	Remarks
MA 102	Mathematics – II	SC	3	1	0	4	
EC 101	Basic Electronics	ESC	3	0	0	3	EE101
CH 101	Engineering Chemistry	SC	3	1	0	4	
ME 102	Engineering Thermodynamics	ESC	2	0	0	2	
ES 101	Environmental Science	SC	2	0	0	2	
CS 101	Computer Programming	ESC	2	0	0	2	
ME 103	Workshop Practice-I	ESC	0	0	4	2	
EC151	Basic Electronics Lab	ESC	0	0	2	1	
CH151	Engineering Chemistry Lab	SC	0	0	2	1	
CS151	Computer Programming Lab	ESC	0	0	2	1	
			15	2	10		
		Total	27			22	

Programme: B. Tech/C.E.

Semester : IV

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	L	T	P	Cr
MA203	Maths-V (Scientific Computing)	SC	x		3	0	0	3
CE206	Geotechnical Engineering – I	DC	x		3	0	0	3
CE207	Environmental Engineering – II	DC	CE204		3	0	0	3
CE208	Structural Analysis – II	DC	CE205		3	0	0	3
CE209	Fluid Mechanics	DC	x		3	0	0	3
XXnnn	<i>Open Elective-I</i>	OE			3	0	2	4
MA210	<i>Mathematics laboratory</i>	SC	CS101, MA101, MA102		0	0	4	2
CE214	<i>Geotechnical Engineering Lab- I</i>	DC	CE206		0	0	2	1
CE215	<i>Fluid Mechanic lab</i>	DC	CE209		0	0	2	1
					18	0	10	
				Total	28			23

Open Electives to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EE210	Electrical Technology	3	0	2	4	EE101

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Semester : VI

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	L	T	P	Cr
CE305	Design of Steel Structures	DC	CE205, CE208		3	1	0	4
CE306	Estimating Costing and Evaluation	DC	CE101, CE205, CE301, CE303		3	0	0	3
CE307	Transportation Engineering - II	DC	CE303		3	0	0	3
CEnnn	<i>Departmental Elective-II</i>	DE			3	0	0	3
XXnnn	<i>Open Elective-III</i>	OE			3	0	0	3
XXnnn	<i>Open Elective-IV</i>	OE			3	0	0	3
HS301	Foundation of Management	HSS			3	0	0	3
CE313	Transportation Engineering Lab-II	DC	CE307		0	0	2	1
CE314	Hydraulics and Hydraulic Structures laboratory	DC			0	0	2	1
					21	1	4	
		Total				26		24

Open Electives (III & IV) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CE325	<i>Geotechnical Earthquake Engineering</i>	3	0	0	3	CE 206, CE 302
CE335	<i>Thin plates and shells</i>	3	0	0	3	CE 201

Departmental (II) Electives to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CE332	Hydraulics and Hydraulic structures	3	0	0	3	CE 209, CE 304

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Semester : VIII

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	L	T	P	Cr
CE402	Project Works-II	PW			0	0	16	8
CE429	<i>Open Elective-VI Continuum Mechanics</i>	OE	CE 201, CE 209		3	0	0	3
CE432	<i>Departmental Elective-V Structural dynamics</i>	DE	CE 205, CE 208		3	1	0	4
CE433	<i>Departmental Elective-VI Optimization Techniques</i>	DE	MA 203		3	0	0	3
					9	1	16	
		Total				26		18

Departmental Electives (V& VI) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CE432	<i>Structural Dynamics</i>	3	1	0	4	CE 205, CE 208
CE433	<i>Optimization Techniques</i>	3	0	0	3	MA 203

Open Electives (VI) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CE429	<i>Continuum Mechanics</i>	3	0	0	3	CE 201, CE 209

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Semester : II

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Contact Hour			Credit	Prerequisites	Prerequisites Status
		L	T	P			
CE504	Subsurface Hydrology	3	0	0	3	x	
CE505	Advanced Fluid Mechanics	3	0	0	3	x	
CExxx	Elective IV:	3	0	0	3		
CExxx	Elective V:	3	0	0	3		
CE506	Environmental Engineering Lab/ Water quality analysis lab (approval?)	0	0	6	3	x	
CE507	Seminar	0	0	2	1	x	
CE508	Term Paper	0	0	4	2	x	
		12	0	12			
		24			18		

Electives (IV & V) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CE510	Water Resources System Analysis	3	0	0	3	Basic hydrology
CE512	Water Quality & Environment	3	0	0	3	Environmental and sanitation engineering

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Semester : IV

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Contact Hour			Credit	Prerequisites
		L	T	P		
CE 603	Project II	0	0	24	12	x
		0	0	24		
		24			12	