



ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2017-18
LIST OF COURSES

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	CATEGORY	CONTACT PERIODS
I	1	HS8151	Communicative English	4	0	0	4	HS	4
I	2	MA8151	Engineering Mathematics - I	4	0	0	4	BS	4
I	3	PH8151	Engineering Physics	3	0	0	3	BS	3
I	4	CY8151	Engineering Chemistry	3	0	0	3	BS	3
I	5	GE8151	Problem Solving and Python Programming	3	0	0	3	ES	3
I	6	GE8152	Engineering Graphics	2	0	4	4	ES	6
I	7	GE8161	Problem Solving and Python Programming Laboratory	0	0	4	2	ES	4
I	8	BS8161	Physics and Chemistry Laboratory	0	0	4	2	BS	4
TOTAL				19	0	12	25		31

SEMESTER II									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	CATEGORY	CONTACT PERIODS
II	1	HS8251	Technical English	4	0	0	4	HS	4
II	2	MA8251	Engineering Mathematics - II	4	0	0	4	BS	4
II	3	PH8201	Physics For Civil Engineering	3	0	0	3	BS	3
II	4	BE8251	Basic Electrical and Electronics Engineering	3	0	0	3	ES	3
II	5	GE8291	Environmental Science and Engineering	3	0	0	3	HS	3
II	6	GE8292	Engineering Mechanics	3	2	0	4	ES	5
II	7	GE8261	Engineering Practices Laboratory	0	0	4	2	ES	4
II	8	CE8211	Computer Aided Building Drawing	0	0	4	2	PC	4
TOTAL				20	2	8	25		30

SEMESTER III									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C		
III	1	MA6351	Transforms and Partial Differential Equations	3	1	0	4		
III	2	GE6351	Environmental Science and Engineering	3	0	0	3		
III	3	CE6301	Engineering Geology	3	0	0	3		
III	4	CE6302	Mechanics of Solids	3	1	0	4		
III	5	CE6303	Mechanics of Fluids	3	0	0	3		
III	6	CE6304	Surveying I	3	0	0	3		
III	7	CE6311	Survey Practical I	0	0	4	2		
III	8	CE6312	Computer Aided Building Drawing	0	0	4	2		
TOTAL				18	2	8	24		

SEMESTER IV									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C		
IV	1	MA6459	Numerical Methods	3	1	0	4		
IV	2	CE6401	Construction Materials	3	0	0	3		
IV	3	CE6402	Strength of Materials	3	1	0	4		
IV	4	CE6403	Applied Hydraulic Engineering	3	1	0	4		
IV	5	CE6404	Surveying II	3	0	0	3		
IV	6	CE6405	Soil Mechanics	3	0	0	3		
IV	7	CE6411	Strength of Materials Laboratory	0	0	3	2		
IV	8	CE6412	Hydraulic Engineering Laboratory	0	0	3	2		
IV	9	CE6413	Survey Practical II	0	0	4	2		
TOTAL				18	3	10	27		

SEMESTER V								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	
V	1.	CE6501	Structural Analysis I		3	1	0	4
V	2.	CE6502	Foundation Engineering		3	0	0	3
V	3.	CE6503	Environmental Engineering I		3	0	0	3
V	4.	CE6504	Highway Engineering		3	0	0	3
V	5.	CE6505	Design of Reinforced Concrete Elements		3	0	0	3
V	6.	CE6506	Construction Techniques, Equipment and Practice		3	0	0	3
V	7.	GE6674	Communication and Soft skills- Laboratory Based		0	0	4	2
V	8.	CE6511	Soil Mechanics Laboratory		0	0	4	2
V	9.	CE6512	Survey Camp*		-	-	-	1
		TOTAL			18	1	8	24

* Survey Camp to be conducted for a period of 2 weeks during 4th Semester Summer Vacation

SEMESTER VI								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	
VI	1.	CE6601	Design of Reinforced Concrete & Brick Masonry Structures		3	0	0	3
VI	2.	CE6602	Structural Analysis II		3	1	0	4
VI	3.	CE6603	Design of Steel Structures		3	1	0	4
VI	4.	CE6604	Railways, Airports and Harbour Engineering		3	0	0	3
VI	5.	CE6605	Environmental Engineering II		3	0	0	3
VI	6.	GE6075	Elective I- Professional Ethics in Engineering		3	0	0	3
VI	7.	CE6611	Environmental Engineering Laboratory		0	0	3	2
VI	8.	CE6612	Concrete and Highway Engineering Laboratory		0	0	3	2
		TOTAL			18	2	6	24

SEMESTER VII								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	
VII	1.	CE6701	Structural Dynamics and Earthquake Engineering		3	0	0	3
VII	2.	CE6702	Prestressed Concrete Structures		3	0	0	3
VII	3.	CE6703	Water Resources and Irrigation Engineering		3	0	0	3
VII	4.	CE6704	Estimation and Quantity Surveying		3	0	0	3
VII	5.	EN6501	Elective II- Municipal Solid Waste Management *		3	0	0	3
VII	6.	CE6006	Elective III- Traffic Engineering and Management *		3	0	0	3
VII	8.	CE6711	Computer Aided Design and Drafting Laboratory		0	0	4	2
VII	9.	CE6712	Design Project		0	0	4	2
		TOTAL			18	0	8	22

SEMESTER VIII								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	
VIII	1.	MG6851	Principles of Management		3	0	0	3
VIII	2.	CE6016	Elective IV- Prefabricated Structures		3	0	0	3
VIII	3.	CE6021	Elective V- Repair & Rehabilitation Of Structures		3	0	0	3
VIII	4.	CE6811	Project Work		0	0	12	6
		TOTAL			9	0	12	15

TOTAL NO OF CREDITS: 186

HOD/CIVIL

PRINCIPAL

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