

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2015-16
LIST OF COURSES

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
I	1.	HS6151	Technical English - I	3	1	0	4
I	2.	MA6151	Mathematics - I	3	1	0	4
I	3.	PH6151	Engineering Physics - I	3	0	0	3
I	4.	CY6151	Engineering Chemistry - I	3	0	0	3
I	5.	GE6151	Computer Programming	3	0	0	3
I	6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICAL							
I	7.	GE6161	Computer Practices Laboratory	0	0	3	2
I	8.	GE6162	Engineering Practices Laboratory	0	0	3	2
I	9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
TOTAL				17	2	11	26

SEMESTER II							
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
II	1.	HS6251	Technical English - II	3	1	0	4
II	2.	MA6251	Mathematics - II	3	1	0	4
II	3.	PH6251	Engineering Physics - II	3	0	0	3
II	4.	CY6251	Engineering Chemistry - II	3	0	0	3
II	5.	GE6252	Basic Electrical and Electronics Engineering	4	0	0	4
II	6.	GE6253	Engineering Mechanics	3	1	0	4
II	7.	GE6261	Computer Aided Drafting and Modeling Laboratory	0	1	2	2
II	8.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
TOTAL				19	4	4	25

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	CE2401	Design of Reinforced Concrete & Brick Masonry Structures	3	1	0	4
VII	2	CE2402	Estimation and Quantity Surveying	3	0	0	3
VII	3	CE2403	Basics of Dynamics and Aseismic Design	3	0	0	3
VII	4	CE2404	Prestressed Concrete Structures	3	0	0	3
VII	5	CE2026	Elective II- Traffic Engineering and Management*	3	0	0	3
VII	6	CE2039	Elective III- Municipal Solid Waste 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	1	8	23

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: 188

HOD/CIVIL.

PRINCIPAL