

PRATHYUSHA ENGINEERING COLLEGE  
DEPARTMENT OF CIVIL ENGINEERING  
ACADEMIC YEAR 2018-19  
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	HS	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	HS	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	CATEGORY	CONTACT PERIODS
III	1.	MA8353	Transforms and Partial Differential Equations	4	0	0	4	BS	4
III	2.	CE8301	Strength of Materials I	3	0	0	3	PC	3
III	3.	CE8302	Fluid Mechanics	3	0	0	3	PC	3
III	4.	CE8351	Surveying	3	0	0	3	PC	3
III	5.	CE8391	Construction Materials	3	0	0	3	PC	3
III	6.	CE8392	Engineering Geology	3	0	0	3	ES	3
III	7.	CE8311	Construction Materials Laboratory	0	0	4	2	PC	4
III	8.	CE8361	Surveying Laboratory	0	0	4	2	PC	4
III	9.	HS8381	Interpersonal Skills / Listening and Speaking	0	0	2	1	EEC	2
TOTAL				19	0	10	24		29

SEMESTER IV									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	CATEGORY	CONTACT PERIODS
IV	1.	MA8491	Numerical Methods	4	0	0	4	BS	4
IV	2.	CE8401	Construction Techniques and Practices	3	0	0	3	PC	3
IV	3.	CE8402	Strength of Materials II	3	0	0	3	PC	3
IV	4.	CE8403	Applied Hydraulic Engineering	3	0	0	3	PC	3
IV	5.	CE8404	Concrete Technology	3	0	0	3	PC	3
IV	6.	CE8491	Soil Mechanics	3	0	0	3	PC	3
IV	7.	CE8481	Strength of Materials Laboratory	0	0	4	2	PC	4
IV	8.	CE8461	Hydraulic Engineering Laboratory	0	0	4	2	PC	4
IV	9.	HS8461	Advanced Reading and Writing	0	0	2	1	EEC	2
TOTAL				19	0	10	24		29

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 4<sup>th</sup> 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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