

University of Pune
Structure of S.E. Civil Engineering (2012 Course)
With effect from A.Y:2013-2014
Semester I

Code	Subject	Teaching Scheme (in Hrs/week)			Examination Scheme of Marks					
		Lect	Tutorials	Pr/Drg.			Tw	Pr	Or	Max.Marks
					Theory Paper	Online Paper				
201001	Building Technology and Materials	3	-	4	50	50	25		50	175
207001	Engg.Maths III	4	1	-	50	50	25	-	-	125
201006	Surveying	4	-	2	50	50	25	50	-	175
201002	Strength of Materials	4	-	-	50	50	-	-	-	100
201003	Geotechnical Engineering	4	-	2	50	50	-	-	50	150
201010	Soft Skills	-	-	2	-	-	25	-	-	25
	Total	19	1	10	250	250	100	150		750

Semester II

Code	Subjects	Teaching Scheme (in Hrs/week)			Examination Scheme of Marks					
		Lect.	Tutorials	Pr/Drg.			Tw	Pr	Or	Max.Marks
					Theory Paper	Online Paper				
201004	Fluid Mechanics I	4	-	2	50	50	25	-	50	175
201005	Architectural Planning and Design of Buildings	4	-	4	50	50	25	50		175
201008	Structural Analysis-I	4	-	-	50	50	-	-	-	100
207009	Engineering Geology	4	-	2	50	50	25	-	-	125
201007	Concrete Technology	4	-	-	50	50	-	-	-	100
201009	Testing of Materials	-	-	2	-	-	25		50	75
		20		10	250	250	100	150		750

Course Structure for SE Computer Engineering

2012 Course (w.e.f. June 2013)

Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Mark Total
		Lect.	Tutorials	Pract	Paper	Tw	Pr	OR	Online	
SEM – I										
210241	Discrete Structures	4	—	—	50	—	—	—	50	100
210242	Data Structures and Problem Solving	4	—	4	50	—	50	—	50	150
210243	Digital Electronics and Logic Design	3	—	2	50	25	—	—	50	125
210244	Operating System and Administration	3	—	2	50	25	50	—	50	175
210245	Microprocessor Architecture	3	—	2	50	25	—	50	50	175
210246	Soft Skills	1	—	2	—	25	—	—	—	025
Total of Semester – I		18	—	12	250	100	100	50	250	750
SEM – II										
Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Mark Total
		Lect.	Tutorials	Pract	Paper	Tw	Pr	Or	Online	
207003	Engineering Maths - III	4	1	—	50	25	—	—	50	125
210247	Object Oriented and multi-core Programming	4	—	4	50	25	50	—	50	175
210248	Microprocessors and Interfacing Techniques	3	—	4	50	—	50	—	50	150
210249	Computer Graphics and Gaming	3	—	—	50	—	—	—	50	100
210250	Computer Organization	3	—	—	50	—	—	—	50	100
210251	Programming Laboratory	—	—	4	—	50	—	50	—	100
Total of Semester – II		17	1	12	250	100	100	50	250	750

Course Structure for S.E. (Electronics/Electronics & Telecommunication Engineering)

2012 Course (w.e.f. June-2013)

SEMESTER-I										
Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Marks
		Lect	Tut	Pr	Theory Online	Tw	Pr	Or	Theory Paper	Total
204181	Signals & Systems	4	1	-	50	25	-	-	50	125
204182	Electronic Devices & Circuits	4	-	2	50	-	50	-	50	150
204183	Network Theory	3	1	-	50	25	-	-	50	125
204184	Data structures & Algorithms	4	-	2	50	-	-	50	50	150
204185	Digital Electronics	4	-	2	50	-	50	-	50	150
204186	Electronic Measuring Instruments & Tools	1	-	2	-	50	-	-	-	50
	Total	20	2	8	250	100	100	50	250	750
SEMESTER-II										
Subject Code	Subject	Teaching Scheme Hrs/Week			Examination Scheme					Marks
		Lect	Tut	Pr	Theory Online	Tw	Pr	Or	Theory Paper	Total
207005	Engineering Maths-III	4	1	-	50	25	-	-	50	125
204187	Integrated Circuits	3	-	2	50	-	50	-	50	150
204188	Control Systems	3	1	-	50	25	-	-	50	125
204189	Analog Communication	4	-	2	50	-	50	-	50	150
204190	Computer Organization	3	-	-	50	-	-	-	50	100
204191	Object Oriented Programming	2	-	2	-	25	-	50	-	75
204192	Soft Skills	1	-	2	-	25	-	-	-	25
	Total	20	2	8	250	100	100	50	250	750

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Structure for Mechanical Engineering with effect from academic year 2013 – 14

S. E. (Mechanical) and S. E. (Automobile) Semester – I

Code	Subject	Teaching Scheme (Weekly Load in hrs)			Examination Scheme (Marks)					
		Lect.	Tut	Practical	Theory		TW	PR	OR ⁺	Total
					Paper	Online				
207002	Engineering Mathematics – III*	4	1	--	50	50	25 ⁺⁺	--	--	125
202041	Manufacturing Process-I	3	--	--	50	50	--	--	--	100
202042	Computer Aided Machine Drawing*	1	--	2	--	--	--	50	--	50
202043	Thermodynamics*	4	--	2	50	50	--	--	50	150
202044	Material Science	3	1	--	50	50	25 ⁺⁺	--	--	125
202045	Fluid Mechanics	3	--	2	50	50	--	--	50	150
202046	Workshop Practice II	--	--	2	--	--	25	--	--	25
202047	Soft Skills			2	--	--	25	--	--	25
Total of Semester – I		18	2	10	250	250	100	50	100	750

+ Under Oral head, examination should be based on term work completed during practical and theory syllabus

++ Term work marks should be based on term work completed in tutorial sessions

S. E. (Mechanical) and S. E. (Automobile) Semester – II

Code	Subject	Teaching Scheme (Weekly Load in hrs)			Examination Scheme (Marks)					
		Lect.	Tut	Practical	Theory		TW	PR	OR ⁺	Total
					Paper	Online				
202048	Theory of Machines-I*	4	--	2	50	50	25 ^{\$}	--	--	125
202049	Engineering Metallurgy	3	--	2	50	50	--	--	50	150
202050	Applied Thermodynamics	4	--	2	50	50	25	--	50	175
202051	Strength of Materials*	3	--	2	50	50	--	--	50	150
203152	Electronics and Electrical Engineering*	4	--	2	50	50	25	--	--	125
202053	Machine Shop-I	--	--	2	--	--	25	--	--	25
Total of Semester – II		18	--	12	250	250	100	--	150	750

+ Under Oral head, examination should be based on term work completed during practical and theory syllabus

\$ Common Oral will be based on both TOM-I and TOM-II term work at end of First Semester of T.E.

* Subjects Common with Mechanical Sandwich