

# SAVITRIBAI PHULE PUNE UNIVERSITY



## Board of Studies in Civil Engineering

Structure and Syllabus for B.E. Civil 2015 Course (w. e. f. June, 2018)



**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**Board of Studies in Civil Engineering**  
**Structure for B.E. Civil 2015 Course (w. e. f. June 2018)**

Semester-I											
Subject code	Subject	Teaching Scheme			In-Semester Assessment	TW	Pract /Or	End-Semester Exam	Total	Credit	
		Hrs/Week	Lect	Tu						Pr	Th
401 001	Environmental Engineering II	3	--	2	30	--	50	70	150	3	1
401002	Transportation Engineering	3	--	2	30	50	--	70	150	3	1
401 003	Structural Design and Drawing III	4	--	2	30	--	50	70	150	4	1
401 004	Elective I	3	--	2	30	50	--	70	150	3	1
401 005	Elective II	3	--	--	30	--	--	70	100	3	--
401 006	Project (Phase-I)	--	2	--	--	--	50	--	50	--	2
<b>Total :</b>		16	2	8	150	100	150	350	750	16	6
										<b>22 Credits</b>	

Semester-II											
Subject code	Subject	Teaching Scheme			In-Semester Assessment	TW	Or	End-Semester Exam	Total	Credit	
		Hrs/Week	Lect	Tu						Pr	Th
401 007	Dams and Hydraulic Structures	3	--	2	30	--	50	70	150	3	1
401008	Quantity Surveying, Contracts and tenders	3	--	2	30	--	50	70	150	3	1
401 009	Elective III	3	--	2	30	50	--	70	150	3	1
401 010	Elective IV	3	--	2	30	50	--	70	150	3	1
401 006	Project	--	6	--	--	50	100	--	150	--	6
<b>Total :</b>		12	6	8	120	150	200	280	750	12	10
										<b>22 Credits</b>	

Following will be the list of electives.

### Semester I

<b>Elective-I 401 004</b>	<b>Elective-II 401 005</b>
1. Structural Design of Bridges	1. Matrix Methods of Structural Analysis
2. Systems Approach in Civil Engineering	2. Integrated Water Resources Planning and Management
3. Advanced Concrete Technology	3. TQM & MIS in Civil Engineering
4. Architecture and Town Planning	4. Earthquake Engineering
5. Advanced Engineering Geology with Rock Mechanics	5. Advanced Geotechnical Engineering

### Semester-II

<b>Elective-III 401 009</b>	<b>Elective-IV 401 010</b>
1. Advanced Structural Design	1. Construction Management
2. Statistical Analysis and Computational Methods in Civil Engineering	2. Advanced Transportation Engineering
3. Hydropower Engineering	3. Advanced foundation Engineering.
4. Air Pollution and control	4. Coastal Engineering
5. Finite Element Method in Civil Engineering	<b>5. Open Elective</b>
6. Airport and Bridge Engineering	a) Plumbing Engineering
	b) Green Building Technology
	c) Ferrocement Technology
	d) Sub sea Engineering
	e) Geoinformatics