

**Savitribai Phule Pune University**  
**S.E. (Civil Engineering) 2015 Course**

<b>Semester I</b>												
Course Code	Course	Teaching Scheme Hours / Week			Semester Examination Scheme of Marks						Credit	
		Theory (TH)	Tutorials (TUT)	Practical (PR)	In-Sem	End-Sem	TW	PR	OR	Total	TH / TUT	PR/OR / TW
201001	Building Technology and Materials	04	--	02	50	50	50	--	--	150	04	01
207001	Engineering Mathematics III	04	01	--	50	50	50	--	--	150	05	
201006	Surveying	04	--	02	50	50	--	50	--	150	04	01
201002	Strength of Materials	04	--	02	50	50	--	--	50	150	04	01
201003	Geotechnical Engineering	04	--	02	50	50	--	--	50	150	04	01
	<b>Audit Course 1</b> Awareness to Civil Engineering Practices	--	--	--	--	--	--	--	--	--	Grade	
<b>Total</b>		<b>20</b>	<b>01</b>	<b>08</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>50</b>	<b>100</b>	<b>750</b>	<b>25</b>	

**Note:** For audit courses students are given certificate by the institutes based on the assignment submitted by them.

**Abbreviations:** **TW:** Term Work, **OR:** Oral, **PP:** Passed (Only for non credit courses), **NP:** Not Passed (Only for non credit courses).



**Savitribai Phule Pune University**  
**S.E. (Civil Engineering) 2015 Course**

<b>Semester II</b>													
Course Code	Course	Teaching Scheme			Semester Examination Scheme of Marks						Credit		
		Hours / Week			In-Sem	End-Sem	TW	PR	OR	Total	TH / TUT	PR/OR / TW	
Theory (TH)	Tutorials (TUT)	Practical (PR)											
201004	Fluid Mechanics I	04	--	02	50	50	--	--	50	150	04	01	
201005	Architectural Planning and Design of Buildings	04	--	02	50	50	--	50	--	150	04	01	
201008	Structural Analysis I	03	01	--	50	50	--	--	--	100	04	--	
207009	Engineering Geology	04	--	02	50	50	50	--	--	150	04	01	
201007	Concrete Technology	04	--	02	50	50	--	--	50	150	04	01	
201010	Soft Skill	--	--	02	--	--	50	--	--	50	--	01	
	<b>Audit Course 2</b> Road Safety Management	--	--	--	--	--	--	--	--	--		Grade	
		<b>19</b>	<b>01</b>	<b>10</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>50</b>	<b>100</b>	<b>750</b>		<b>25</b>	

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**Abbreviations:** **TW:** Term Work, **OR:** Oral, **PP:** Passed (Only for non credit courses), **NP:** Not Passed (Only for non credit courses).



**Savitribai Phule Pune University**  
**Second Year of Computer Engineering (2015 Course)**  
 (With effect from Academic Year 2016-17)

**Semester I**

Course Code	Course Name	Teaching Scheme Hours / Week			Examination Scheme & Marks						Credit	
		Theory	Tutorial	Practical	In-Sem	End-Sem	TW	PR	OR	Total	TH + TUT	PR
210241	<u>Discrete Mathematics</u>	04	--	--	50	50	--	--	--	100	04	--
210242	<u>Digital Electronics and Logic Design</u>	04	--	--	50	50	--	--	--	100	04	--
210243	<u>Data Structures and Algorithms</u>	04	--	--	50	50	--	--	--	100	04	--
210244	<u>Computer Organization and Architecture</u>	04	--	--	50	50	--	--	--	100	04	--
210245	<u>Object Oriented Programming</u>	04	--	--	50	50	--	--	--	100	04	--
210246	<u>Digital Electronics Lab</u>	--	--	02	--	--	25	50	--	75	--	01
210247	<u>Data Structures Lab</u>	--	--	04	--	--	25	50	--	75	--	02
210248	<u>Object Oriented Programming Lab</u>	--	--	02	--	--	25	50	--	75	--	01
210249	<u>Soft Skills</u>	--	--	02	--	--	25	--	--	25	--	01
<b>Total</b>											20	05
210250	<u>Audit Course 1</u>	--	--	--	--	--	--	--	--	--	Grade	
<b>Total</b>		20	--	10	250	250	100	150	--	750	25	

**Abbreviations:**

TW: Term Work  
 OR: Oral  
 PR: Practical

TH: Theory  
 TUT: Tutorial  
 Sem: Semester



**Savitribai Phule Pune University**  
**Second Year of Computer Engineering (2015 Course)**  
 (With effect from Academic Year 2016-17)  
**Semester II**

Course Code	Course Name	Teaching Scheme Hours / Week			Examination Scheme & Marks						Credits	
		Theory	Tutorial	Practical	In-Sem	End-Sem	TW	PR	OR	Total	TH+TUT	PR
207003	<u>Engineering Mathematics III</u>	04	01	--	50	50	25	--	--	125	05	--
210251	<u>Computer Graphics</u>	04	--	--	50	50	--	--	--	100	04	--
210252	<u>Advanced Data Structures</u>	04	--	--	50	50	--	--	--	100	04	--
210253	<u>Microprocessor</u>	04	--	--	50	50	--	--	--	100	04	--
210254	<u>Principles of Programming Languages</u>	03	--	--	50	50	--	--	--	100	03	--
210255	<u>Computer Graphics Lab</u>	--	--	02	--	--	25	50	--	75	--	01
210256	<u>Advanced Data Structures Lab</u>	--	--	04	--	--	25	50	--	75	--	02
210257	<u>Microprocessor Lab</u>	--	--	04	--	--	25	50	--	75	--	02
<b>Total</b>											20	05
210258	<u>Audit Course 2</u>		--	--	--	--	--	--	--	--	Grade	
<b>Total</b>		19	01	10	250	250	100	150	--	750	25	

**Abbreviations:**

TW: Term Work  
 OR: Oral  
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TH: Theory  
 TUT: Tutorial  
 Sem: Semester



**Savitribai Phule Pune University, Pune**  
**SE(E&TC/Electronics Engineering) 2015 Course**

**(With effect from Academic Year 2016-17)**

Semester I												
Course Code	Course	Teaching Scheme Hours / Week			Semester Examination Scheme of Marks						Credit	
		Theory	Tutorials	Practicals	In-Sem (On line)	End-Sem (Theory)	TW	PR	OR	Total	TH/TUT	PR+OR
204181	Signals & Systems	3	1	-	50	50	25	-	-	125	4	-
204182	Electronic Devices & Circuits	4	-	2	50	50	-	50	-	150	4	1
204183	Electrical Circuits and Machines	3	-	2	50	50	25	-	-	125	3	1
204184	Data Structures and Algorithms	4	-	2	50	50	-	-	50	150	4	1
204185	Digital Electronics	4	-	2	50	50	-	50	-	150	4	1
204186	Electronic Measuring Instruments & Tools	1	-	2	-	-	50	-	-	50	1	1
204192	Audit Course 1	--	--	--	--	--	--	--	--	--		
<b>Total</b>		19	1	10	250	250	100	100	50	750	20	05
<b>Total Credits</b>											<b>25</b>	

**Abbreviations:**

Th : Theory

TW: Term Work

OR: Oral

TUT : Tutorial

PR : Practical

**Note: Interested students of S.E. (Electronics/E&TC) can opt any one of the audit course from the audit courses prescribed by BoS (Electronics/Computer/IT/Electrical/Instrumentation)**



**SE(E&TC/Electronics Engineering) 2015 Course****(With effect from Academic Year 2016-17)****Semester II**

Course Code	Course	Teaching Scheme Hours / Week			Semester Examination Scheme of Marks						Credit	
		Theory	Tutorials	Practicals	In-Sem (on line)	End-Sem (Theory)	TW	PR	OR	Total	TH/TUT	PR+OR
207005	Engineering Mathematics III	4	1	-	50	50	25	-	-	125	5	-
204187	Integrated Circuits	4	-	2	50	50	25	50	-	175	4	1
204188	Control Systems	3	-	-	50	50	-	-	-	100	3	-
204189	Analog Communication	3	-	2	50	50	-	50	-	150	3	1
204190	Object Oriented Programming	3	-	4	50	50	-	-	50	150	3	2
204191	Employability Skill Development	2	-	2	-	-	50	-	-	50	2	1
204193	<b>Audit Course 2</b>	--	--	--	--	--	--	--	--	--		
<b>Total</b>		19	1	10	250	250	100	100	50	750	20	05
<b>Total Credits</b>											<b>25</b>	

**Abbreviations:**

TH: Theory  
 TW: Term Work  
 OR: Oral

TUT: Tutorial  
 PR: Practical

**Note: Interested students of S.E (Electronics/E&TC) can opt any one of the audit course from the audit courses prescribed by BoS (Electronics/Computer/IT/Electrical/Instrumentation)**



**Structure of S.E. (Mechanical Engineering/ Automobile Engineering)  
2015 Course**

**Semester-I**

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks	Credits	
		Hours/Week			In-Sem (online)	End-Sem	TW	PR.	Oral		Lect/Tut	PR/OR
		L	Tut.	PR								
207002	Engineering Mathematics – III	04	01	-	50	50	25	-	-	125	05	-
202041	Manufacturing Process-I	03	-	02	50	50	50	-	-	150	03	01
202042	Computer Aided Machine Drawing	01	-	02	--	--		50	-	50	01	01
202043	Thermodynamics	04	-	02	50	50	-	-	50	150	04	01
202044	Material Science	03	01	-	50	50	25	-	-	125	03	01
202051	Strength of Materials	04	-	02	50	50	-	-	50	150	04	01
202055	Audit course											
	<b>Total</b>	<b>19</b>	<b>02</b>	<b>08</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>50</b>	<b>100</b>	<b>750</b>	<b>20</b>	<b>05</b>
	<b>Total of Part-I</b>	<b>29 Hrs</b>							<b>750</b>		<b>25</b>	

**Note:** Material Science and Engineering Mathematics-III practical may be carried out fortnightly for two hours, so that the tutorial hours may be used as practical.

**Semester-II**

Subject Code	Subject	Teaching Scheme			Examination Scheme					Total Marks	Credits	
		Hours/Week			In-Sem (online)	End-Sem	TW	PR.	Oral		Lect/Tut	PR/OR
		L	Tut.	PR								
202045	Fluid Mechanics	04	-	02	50	50	-	50	-	150	04	01
202047	Soft Skills	-	-	02	--	--	25	-	-	25	-	01
202048	Theory of Machines – I	04	01	-	50	50	25	-	25	150	04	01
202049	Engineering Metallurgy	03	01	-	50	50	-	-	25	125	03	01
202050	Applied Thermodynamics	04	-	02	50	50	-	50	-	150	04	01
203152	Electrical and Electronics Engineering	03	-	02	50	50	25	-	-	125	03	01
202053	Machine Shop – I	-	-	02	--	--	25	-	-	25	-	01
	<b>Total</b>	<b>18</b>	<b>02</b>	<b>10</b>	<b>250</b>	<b>250</b>	<b>100</b>	<b>100</b>	<b>50</b>	<b>750</b>	<b>18</b>	<b>07</b>
	<b>Total of Part-II</b>	<b>30 Hrs</b>							<b>750</b>		<b>25</b>	

**Note:** Theory of Machine-I and Engineering Metallurgy practical may be carried out fortnightly for two hours, so that the tutorial hours may be used as practical.