

SAVITRIBAI PHULE PUNE UNIVERSITY
Board of Studies: Automobile and Mechanical Engineering
Undergraduate Program- Mechanical Engineering_ Sandwich (2019 pattern)

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme						Credit			
		Theory	Practical	Tutorial	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
SEMESTER - III														
202041	Solid Mechanics	4	2	--	30	70	25	--	25	150	4	1	--	5
202042	Solid Modeling and Drafting	3	2	--	30	70	--	50	--	150	3	1	--	4
202043	Engineering Thermodynamics	3	2	--	30	70	--	--	25	125	3	1	--	4
202044	Engineering Materials and Metallurgy	3	2	--	30	70	25	--	--	125	3	1	--	4
203045	Electrical and Electronics Engineering	3	2	--	30	70	25	--	--	125	3	1	--	4
202046	Geometric Dimensioning and Tolerancing Lab	--	2	--	--	--	25	--	--	25	--	1	--	1
202047	Audit Course - III	--	--	--	--	--	--	--	--	--	--	--	--	--
Total		16	12	--	150	350	100	50	50	700	16	6	--	22
SEMESTER - IV														
207002	Engineering Mathematics - III	3	--	1	30	70	25	--	--	125	3	--	1	4
202048	Kinematics of Machinery	3	2	--	30	70	25	--	--	125	3	1	--	4
202061	Thermal Engineering	3	2	--	30	70	--	50	--	150	3	1	--	4
202062	Fluid Mechanics and Machinery	3	2	--	30	70	--	50	--	150	3	1	--	4
202063	Manufacturing Engineering	3	--	--	30	70	--	--	--	100	3	--	--	3
202052	Machine Shop	--	2	--	--	--	50	--	--	50	--	1	--	1
202053	Project Based Learning - II	--	4	--	--	--	--	--	--	--	--	2	--	2
202054	Audit Course - IV	--	--	--	--	--	--	--	--	--	--	--	--	--
Total		15	12	1	150	350	100	100	--	700	15	6	1	22

Abbreviations:

TH : Theory, TW : Term Work, PR : Practical, OR : Oral, TUT : Tutorial

Note:

- Interested students of SE (Mechanical Engineering-Sandwich) can opt any one of the audit course from the list of audit courses prescribed by BoS (Automobile and Mechanical Engineering)

Instructions:

- PR/Tutorial must be conducted in three batches per division.
- Minimum number of required Experiments/Assignments in PR/ Tutorial shall be carried out as mentioned in the syllabi of respective subjects.
- Assessment of tutorial work has to be carried out as term-work examination. Term-work Examination at second year of engineering course shall be internal continuous assessment only.
- Project based learning (PBL) requires continuous mentoring by faculty throughout the semester for successful completion of the tasks selected by the students per batch. While assigning the teaching workload of 2 Hrs/week/batch needs to be considered for the faculty involved. The Batch needs to be divided into sub-groups of 5 to 6 students. Assignments / activities / models/ projects etc. under project based learning is carried throughout semester and Credit for PBL has to be awarded on the basis of internal continuous assessment and evaluation at the end of semester.
- Audit course is mandatory but non-credit course. Examination has to be conducted at the end of Semesters for award of grade at institute level. Grade awarded for audit course shall not be calculated for grade point & CGPA.