

Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)



Credit System for

S.Y. B.Tech. (Mechanical Engineering)

Sem-III and IV

AY 2020-21



Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

Credit System for S.Y. B.Tech. (Mechanical Engineering) Sem-III AY 2020-21

Sr.No.	Category	Course Code	Course Name	L	T	P	Hrs	Credits	ISE-1	MSE*	ISE-2	ESE	
Professional Core (Theory)													
1	BS	5MA201	Probability and Statistics	2	0	0	2	2	10	30	10	50	
2	PC	5ME201	Thermodynamics	3	0	0	3	3	10	30	10	50	
3	PC	5ME202	Materials Engineering	4	0	0	4	4	10	30	10	50	
4	PC	5ME203	Strength of Materials	3	1	0	4	4	10	30	10	50	
5	PC	5ME204	Manufacturing Processes	4	0	0	4	4	10	30	10	50	
Professional Core (Lab)													
6	PC	5ME251	Thermodynamics Lab	0	0	2	2	1	25	25	25	25	
7	PC	5ME252	Materials Engineering Lab	0	0	2	2	1	25	25	25	25	
8	PC	5ME256	Workshop I	0	0	2	2	1	25	25	25	25	
Mandatory Life Skill Courses @													
9	HS	Refer list	Mandatory Life Skill Course	2	0	0	2	0	10	30	10	50	
Value Added Professional Courses #													
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Value Added Life-Skill Courses #													
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Total				18	1	6	25	20					



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Course List for S.Y. B.Tech. (Mechanical Engineering) Sem-III AY 2020-21

Sr.No.	Course Code	Course Name
Mandatory Life Skill Course		
1	5IC201	Environmental Sciences

Notes:

* For Lab courses, there will be only internal continuous assessment. ESE is a separate head of passing for both theory and lab courses.

The Value Added Courses are Optional Courses. The mode of teaching (LTPI) is decided by the resource person.

The list of Value added courses will be updated from time to time. The courses may be on paid basis.

The credits earned from these courses will be shown on grade card. For SPI and CPI calculation, these courses will be excluded.

These courses will be offered as per availability of faculty

@ Minimum 2 mandatory life skill courses are to be completed for award of degree.

For further details refer to Academic and Examination rules and regulations.



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Credit System for S.Y. B.Tech. (Mechanical Engineering) Sem-IV AY 2020-21

Sr.No.	Category	Course Code	Course Name	L	T	P	Hrs	Credits	ISE-1	MSE*	ISE-2	ESE	
Professional Core (Theory)													
1	BS	5ME221	Applied Mathematics for Mechanical Engineers	3	0	0	3	3	10	30	10	50	
2	PC	5ME222	Fluid Mechanics and Fluid Machines	3	0	0	3	3	10	30	10	50	
3	PC	5ME223	Metal Forming	3	0	0	3	3	10	30	10	50	
4	PC	5ME224	Kinematics and Theory of Machines	3	0	0	3	3	10	30	10	50	
5	PC	5ME225	Instrumentation and Controls	3	1	0	4	4	10	30	10	50	
Professional Core (Lab)													
6	PC	5ME272	Fluid Mechanics and Fluid Machines Lab	0	0	2	2	1	25	25	25	25	
7	PC	5ME273	Metal Forming and Manufacturing Lab	0	0	2	2	1	25	25	25	25	
8	PC	5ME274	Kinematics and Theory of Machines Lab	0	0	2	2	1	25	25	25	25	
9	HS	5ME276	Presentation and Report Writing	1	0	0	1	1	25	25	25	25	
Value Added Professional Courses #													
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Value Added Life-Skill Courses #													
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Total				16	1	6	23	20					

Notes:

* For Lab courses, there will be only internal continuous assessment. ESE is a separate head of passing for both theory and lab courses.

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