

Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)



Credit System for

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

Sem-III and IV

AY 2020-21



Walchand College of Engineering, Sangli

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Credit System for S.Y. B.Tech. (Civil 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	5CV202	Fluid Mechanics	2	1	0	3	3	10	30	10	50	
3	PC	5CV203	Building Materials and Construction	3	0	0	3	3	10	30	10	50	
4	PC	5CV204	Engineering Geology	2	0	0	2	2	10	30	10	50	
5	PC	5CV205	Engineering Surveying	3	0	0	3	3	10	30	10	50	
6	PC	5CV206	Solid Mechanics	2	1	0	3	3	10	30	10	50	
Professional Core (Lab)													
7	PC	5CV252	Fluid Mechanics Lab	0	0	2	2	1	25	25	25	25	
8	PC	5CV253	Building Materials and Construction Lab	0	0	2	2	1	25	25	25	25	
9	PC	5CV254	Engineering Geology Lab	0	0	2	2	1	25	25	25	25	
10	PC	5CV255	Surveying Lab	0	0	2	2	1	25	25	25	25	
Mandatory Life Skill Courses @													
11	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				16	2	8	26	20					



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Course List for S.Y. B.Tech. (Civil 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. (Civil 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	5MA202	Applied Mathematics	2	0	0	2	2	10	30	10	50	
2	PC	5CV221	Hydraulics and Hydraulics Machinery	3	0	0	3	3	10	30	10	50	
3	PC	5CV222	Building Planning and Design	2	0	0	2	2	10	30	10	50	
4	PC	5CV223	Water Resources Engineering	2	1	0	3	3	10	30	10	50	
5	PC	5CV224	Structural Analysis	2	1	0	3	3	10	30	10	50	
6	PC	5CV225	Concrete Technology	2	0	0	2	2	10	30	10	50	
Professional Core (Lab)													
7	PC	5CV271	Hydraulics Lab	0	0	2	2	1	25	25	25	25	
8	PC	5CV272	Mini Project 1- Building Planning and Design	0	0	2	2	1	25	25	25	25	
9	PC	5CV274	Advanced Surveying Lab	0	0	2	2	1	25	25	25	25	
10	PC	5CV275	Material Testing Lab	0	0	2	2	1	25	25	25	25	
11	HS	5CV277	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				14	2	8	24	20					



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