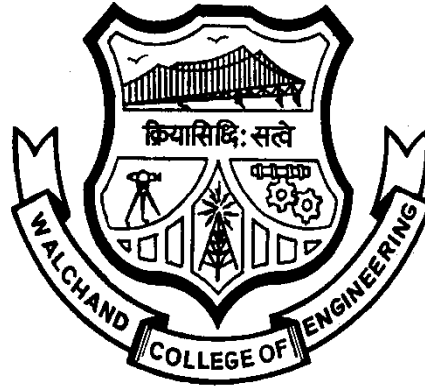


Walchand College of Engineering, Sangli

(An Autonomous Institute)



First Year Engineering In

U.G. Program

Detail Curriculums of all Courses

(Common to all branches)

Effective from July 2016-17.



Walchand College of Engineering, Sangli

(An Autonomous Institute)

Teaching and Evaluation Scheme for
First year B. Tech. Program in Civil
Semester I

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Marks		
							Max	Min for Passing	
3CH 101	Engineering Chemistry	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3MA 101	Engineering Mathematics I	3	1	-	4	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3AM 101	Engineering Mechanics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3ME 101	Engineering Graphics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3EE 101	Basic Electrical Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3HS 10#	Humanities & Social Science as per Dept Choice.	2	1	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CH 151	Engineering Chemistry Lab	-	-	2	1	ISE (OE)	100	40	
3AM 151	Engineering Mechanics Lab	-	-	2	1	ISE (OE)	100	40	
3ME 151	Engineering Graphics / CAD Lab	-	-	2	1	ISE (OE)	100	40	
3EE 151	Basic Electrical Engineering Lab	-	-	2	1	ISE (OE)	100	40	
Total		17	2	8	23	Total Credits: 23, Total Contact Hrs: 27			

Humanities and Social Science	
3HS 101	Communication Skill
3HS 102	Foreign Language



Walchand College of Engineering, Sangli
(An Autonomous Institute)
Teaching and Evaluation Scheme for
First year B. Tech. Program in Civil Engineering
Semester II

Course Code	Course	Teaching Scheme				Evaluation Scheme		
		L	T	P	Credits	Component	Marks	
							Max	Min for Passing
3PH 101	Engineering Physics	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3MA 102	Engineering Mathematics II	3	1	--	4	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CE 101	Basic Civil Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3ME 102	Basic Mechanical Engineering	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3EN 101	Basic Electronics Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CS 101	Computer Programming	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3BS 10#	Basic Sciences as per the Dept Choice.	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3PH 151	Engineering Physics Lab	-	-	2	1	ISE (OE)	100	40
3CE 151	Civil Engineering Lab	-	-	2	1	ISE (OE)	100	40
3CS 151	Computer Programming Lab	-	-	2	1	ISE (OE)	100	40
3ME 152	Mechanical Workshop/ Lab	-	-	2	1	ISE (OE)	100	40
3EN 151	Electronics Engineering Lab	-	-	2	1	ISE (OE)	100	40
		19	1	10	25	Total Credits: 25, Total Contact Hrs: 30		

Basic Sciences			
3BS 101	Ecology	3BS 103	Material Science
3BS 102	Biology	3BS 104	Engineering Geology



Walchand College of Engineering, Sangli
(An Autonomous Institute)
Teaching and Evaluation Scheme for
First year B. Tech. Program in Electrical Engineering
Semester I

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Marks		
							Max	Min for Passing	
3CH 101	Engineering Chemistry	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3MA 101	Engineering Mathematics I	3	1	-	4	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3AM 101	Engineering Mechanics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3ME 101	Engineering Graphics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3EE 101	Basic Electrical Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3HS 10#	Humanities & Social Science as per Dept Choice.	2	1	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CH 151	Engineering Chemistry Lab	-	-	2	1	ISE (OE)	100	40	
3AM 151	Engineering Mechanics Lab	-	-	2	1	ISE (OE)	100	40	
3ME 151	Engineering Graphics / CAD Lab	-	-	2	1	ISE (OE)	100	40	
3EE 151	Basic Electrical Engineering Lab	-	-	2	1	ISE (OE)	100	40	
Total		17	2	8	23	Total Credits: 23, Total Contact Hrs: 27			

Humanities and Social Science	
3HS 101	Communication Skill
3HS 102	Foreign Language



Walchand College of Engineering, Sangli
(An Autonomous Institute)
Teaching and Evaluation Scheme for
First year B. Tech. Program in Electrical Engineering
Semester II

Course Code	Course	Teaching Scheme				Evaluation Scheme		
		L	T	P	Credits	Component	Theory Marks	
							Max	Min for Passing
3PH 101	Engineering Physics	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3MA 102	Engineering Mathematics II	3	1	--	4	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CE 101	Basic Civil Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3ME 102	Basic Mechanical Engineering	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3EN 101	Basic Electronics Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CS 101	Computer Programming	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3BS 10#	Basic Sciences as per the Dept Choice.	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3PH 151	Engineering Physics Lab	-	-	2	1	ISE (OE)	100	40
3CE 151	Civil Engineering Lab	-	-	2	1	ISE (OE)	100	40
3CS 151	Computer Programming Lab	-	-	2	1	ISE (OE)	100	40
3ME 152	Mechanical Workshop/ Lab	-	-	2	1	ISE (OE)	100	40
3EN 151	Electronics Engineering Lab	-	-	2	1	ISE (OE)	100	40
	Total	19	1	10	25	Total Credits: 25, Total Contact Hrs: 30		

Basic Sciences			
3BS 101	Ecology	3BS 103	Material Science
3BS 102	Biology	3BS 104	Engineering Geology



Walchand College of Engineering, Sangli
(An Autonomous Institute)
Teaching and Evaluation Scheme for
First year B. Tech. Program in Electronics Engineering
Semester I

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Marks		
							Max	Min for Passing	
3CH 101	Engineering Chemistry	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3MA 101	Engineering Mathematics I	3	1	-	4	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3AM 101	Engineering Mechanics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3ME 101	Engineering Graphics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3EE 101	Basic Electrical Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3HS 10#	Humanities & Social Science as per Dept Choice.	2	1	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CH 151	Engineering Chemistry Lab	-	-	2	1	ISE (OE)	100	40	
3AM 151	Engineering Mechanics Lab	-	-	2	1	ISE (OE)	100	40	
3ME 151	Engineering Graphics / CAD Lab	-	-	2	1	ISE (OE)	100	40	
3EE 151	Basic Electrical Engineering Lab	-	-	2	1	ISE (OE)	100	40	
Total		17	2	8	23	Total Credits: 23, Total Contact Hrs: 27			

Humanities and Social Science	
3HS 101	Communication Skill
3HS 102	Foreign Language



Walchand College of Engineering, Sangli
 (An Autonomous Institute)
 Teaching and Evaluation Scheme for
First year B. Tech. Program in Electronics Engineering
Semester II

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Marks		
							Max	Min for Passing	
3PH 101	Engineering Physics	3	-	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3MA 102	Engineering Mathematics II	3	1	--	4	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CE 101	Basic Civil Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3ME 102	Basic Mechanical Engineering	3	-	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3EN 101	Basic Electronics Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CS 101	Computer Programming	2	-	-	2	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3BS 10#	Basic Sciences as per the Dept Choice.	2	-	-	2	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3PH 151	Engineering Physics Lab	-	-	2	1	ISE (OE)	100	40	
3CE 151	Civil Engineering Lab	-	-	2	1	ISE (OE)	100	40	
3CS 151	Computer Programming Lab	-	-	2	1	ISE (OE)	100	40	
3ME 152	Mechanical Workshop/ Lab	-	-	2	1	ISE (OE)	100	40	
3EN 151	Electronics Engineering Lab	-	-	2	1	ISE (OE)	100	40	
		19	1	10	25	Total Credits: 25, Total Contact Hrs: 30			

Basic Sciences			
3BS 101	Ecology	3BS 103	Material Science
3BS 102	Biology	3BS 104	Engineering Geology



Walchand College of Engineering, Sangli
 (An Autonomous Institute)
 Teaching and Evaluation Scheme for
First year B. Tech. Program in Mechanical Engineering
I Semester

Course Code	Course	Teaching Scheme				Evaluation Scheme		
		L	T	P	Credits	Component	Marks	
							Max	Min for Passing
3PH 101	Engineering Physics	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3MA 101	Engineering Mathematics I	3	1	--	4	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CE 101	Basic Civil Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3ME 102	Basic Mechanical Engineering	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3EN 101	Basic Electronics Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CS 101	Computer Programming	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3BS 10#	Basic Sciences as per the Dept Choice.	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3PH 151	Engineering Physics Lab	-	-	2	1	ISE (OE)	100	40
3CE 151	Civil Engineering Lab	-	-	2	1	ISE (OE)	100	40
3CS 151	Computer Programming Lab	-	-	2	1	ISE (OE)	100	40
3ME 152	Mechanical Workshop/ Lab	-	-	2	1	ISE (OE)	100	40
3EN 151	Electronics Engineering Lab	-	-	2	1	ISE (OE)	100	40
		19	1	10	25	Total Credits: 25, Total Contact Hrs: 30		

Basic Sciences			
3BS 101	Ecology	3BS 103	Material Science
3BS 102	Biology	3BS 104	Engineering Geology



Walchand College of Engineering, Sangli
 (An Autonomous Institute)
 Teaching and Evaluation Scheme for
First year B. Tech. Program in Mechanical Engineering
Semester II

Course Code	Course	Teaching Scheme				Evaluation Scheme		
		L	T	P	Credits	Component	Marks	
							Max	Min for Passing
3CH 101	Engineering Chemistry	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3MA 102	Engineering Mathematics II	3	1	-	4	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3AM 101	Engineering Mechanics	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3ME 101	Engineering Graphics	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3EE 101	Basic Electrical Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3HS 10#	Humanities & Social Science as per Dept Choice.	2	1	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CH 151	Engineering Chemistry Lab	-	-	2	1	ISE (OE)	100	40
3AM 151	Engineering Mechanics Lab	-	-	2	1	ISE (OE)	100	40
3ME 151	Engineering Graphics / CAD Lab	-	-	2	1	ISE (OE)	100	40
3EE 151	Basic Electrical Engineering Lab	-	-	2	1	ISE (OE)	100	40
	Total	17	2	8	23	Total Credits: 23, Total Contact Hrs: 27		

Humanities and Social Science	
3HS 101	Communication Skill
3HS 102	Foreign Language



Walchand College of Engineering, Sangli

(An Autonomous Institute)

Teaching and Evaluation Scheme for

**First year B. Tech. Program in Computer Science & Engineering
Semester I**

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Theory Marks		
							Max	Min for Passing	
3PH 101	Engineering Physics	3	-	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3MA 101	Engineering Mathematics I	3	1	--	4	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CE 101	Basic Civil Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3ME 102	Basic Mechanical Engineering	3	-	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3EN 101	Basic Electronics Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CS 101	Computer Programming	2	-	-	2	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3BS 10#	Basic Sciences as per the Dept Choice.	2	-	-	2	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3PH 151	Engineering Physics Lab	-	-	2	1	ISE (OE)	100	40	
3CE 151	Civil Engineering Lab	-	-	2	1	ISE (OE)	100	40	
3CS 151	Computer Programming Lab	-	-	2	1	ISE (OE)	100	40	
3ME 152	Mechanical Workshop/ Lab	-	-	2	1	ISE (OE)	100	40	
3EN 151	Electronics Engineering Lab	-	-	2	1	ISE (OE)	100	40	
		19	1	10	25	Total Credits: 25, Total Contact Hrs: 30			

Basic Sciences			
3BS 101	Ecology	3BS 103	Material Science
3BS 102	Biology	3BS 104	Engineering Geology



Walchand College of Engineering, Sangli

(An Autonomous Institute)

Teaching and Evaluation Scheme for

**First year B. Tech. Program in Computer Science & Engineering
Semester II**

Course Code	Course	Teaching Scheme				Evaluation Scheme			
		L	T	P	Credits	Component	Marks		
							Max	Min for Passing	
3CH 101	Engineering Chemistry	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3MA 102	Engineering Mathematics II	3	1	-	4	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3AM 101	Engineering Mechanics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3ME 101	Engineering Graphics	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3EE 101	Basic Electrical Engineering	3	-	-	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3HS 10#	Humanities & Social Science as per Dept Choice.	2	1	--	3	ISE 1	10	20	40
						ISE 2	10		
						MSE	30		
						ESE	50		
3CH 151	Engineering Chemistry Lab	-	-	2	1	ISE (OE)	100	40	
3AM 151	Engineering Mechanics Lab	-	-	2	1	ISE (OE)	100	40	
3ME 151	Engineering Graphics / CAD Lab	-	-	2	1	ISE (OE)	100	40	
3EE 151	Basic Electrical Engineering Lab	-	-	2	1	ISE (OE)	100	40	
	Total	17	2	8	23	Total Credits: 23, Total Contact Hrs: 27			

Humanities and Social Science	
3HS 101	Communication Skill
3HS 102	Foreign Language



Walchand College of Engineering, Sangli

(An Autonomous Institute)

Teaching and Evaluation Scheme for

First year B. Tech. Program in Information Technology

Semester I

Course Code	Course	Teaching Scheme				Evaluation Scheme		
		L	T	P	Credits	Component	Marks	
							Ma x	Min for Passing
3PH 101	Engineering Physics	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3MA 101	Engineering Mathematics I	3	1	--	4	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CE 101	Basic Civil Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3ME 102	Basic Mechanical Engineering	3	-	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3EN 101	Basic Electronics Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CS 101	Computer Programming	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3BS 10#	Basic Sciences as per the Dept Choice.	2	-	-	2	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3PH 151	Engineering Physics Lab	-	-	2	1	ISE (OE)	100	40
3CE 151	Civil Engineering Lab	-	-	2	1	ISE (OE)	100	40
3CS 151	Computer Programming Lab	-	-	2	1	ISE (OE)	100	40
3ME 152	Mechanical Workshop/ Lab	-	-	2	1	ISE (OE)	100	40
3EN 151	Electronics Engineering Lab	-	-	2	1	ISE (OE)	100	40
Total		19	1	10	25	Total Credits: 25, Total Contact Hrs: 30		

Basic Sciences			
3BS 101	Ecology	3BS 103	Material Science
3BS 102	Biology	3BS 104	Engineering Geology



Walchand College of Engineering, Sangli
 (An Autonomous Institute)
 Teaching and Evaluation Scheme for
First year B. Tech. Program in Information Technology
Semester II

Course Code	Course	Teaching Scheme				Evaluation Scheme		
		L	T	P	Credits	Component	Marks	
							Max	Min for Passing
3CH 101	Engineering Chemistry	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3MA 102	Engineering Mathematics II	3	1	-	4	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3AM 101	Engineering Mechanics	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3ME 101	Engineering Graphics	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3EE 101	Basic Electrical Engineering	3	-	-	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3HS 10#	Humanities & Social Science as per Dept Choice.	2	1	--	3	ISE 1	10	40
						ISE 2	10	
						MSE	30	
						ESE	50	
3CH 151	Engineering Chemistry Lab	-	-	2	1	ISE (OE)	100	40
3AM 151	Engineering Mechanics Lab	-	-	2	1	ISE (OE)	100	40
3ME 151	Engineering Graphics / CAD Lab	-	-	2	1	ISE (OE)	100	40
3EE 151	Basic Electrical Engineering Lab	-	-	2	1	ISE (OE)	100	40
	Total	17	2	8	23	Total Credits: 23, Total Contact Hrs: 27		

Humanities and Social Science	
3HS 101	Communication Skill
3HS 102	Foreign Language