

**Course Scheme Doctor of Philosophy (ME)
Ph.D. (Common Syllabus First Semester)**

Semester – I				
Compulsory Paper (Common Physics/Chemistry/Mathematics/CSE/ME)				
S. No.	Course Code	Paper	L	Credits
1.	RM-01	Research Methodology	4	4
2.	RPE	Research Ethics	2	2
Optional Papers:- ELECTIVE-I & ELECTIVE -2 PAPERS ARE TO BE SELECTED BY THE CANDIDATE FROM THE LIST OF ELECTIVE PAPERS GIVEN BELOW:				
S. No.	Course Code	Paper	L	Credits
1	ME-1003	Advanced Mechanics Of Solids	5	5
2	ME-1004	Measurement And Control	5	5
3.	ME-1005	Advanced Tribology	5	5
4.	ME-1006	Advanced Heat And Mass Transfer	5	5
5.	ME-1007	Refrigeration Engineering	5	5
6.	ME-1008	Nuclear Engineering	5	5
7.	ME-1009	Renewable Energy & Energy Management	5	5
8.	ME-1010	Gas Turbine And Jet Propulsion	5	5
9.	ME-1011	Mechatronics	5	5
10.	ME-1012	Advanced Manufacturing Techniques	5	5
11.	ME-1013	Non-Conventional Machining	5	5
12.	ME-1014	Experimental Stress Analysis	5	5
More Elective Papers may be added from time to time depending upon the availability of the Expertise in the Department and its suitability for the prospective researchers.				

IEC University, Baddi

SCHEME OF STUDY & EVALUATION FOR Ph.D. (Common Syllabus First Semester) PROGRAM

Course			Period			Evaluation Scheme					Course Total	
Sr. No.	Code	Title	L	T	P	Sessional Marks				Exam. Marks	Marks	Credits
						MSE	CA	P	Total	ESE		
Semester I												
1	RM-01	Research Methodology	4	0	0	-	-	-	-	100	100	4
2	RPE	Research Ethics	2	0	0	-	-	-	-	100	100	2
3*	ME-1003	Advanced Mechanics Of Solids	5	0	0	-	-	-	-	100	100	5
4*	ME-1004	Measurement And Control	5	0	0	-	-	-	-	100	100	5
5*	ME-1005	Advanced Tribology	5	0	0	-	-	-	-	100	100	5
6*	ME-1006	Advanced Heat And Mass Transfer	5	0	0	-	-	-	-	100	100	5
7*	ME-1007	Refrigeration Engineering	5	0	0	-	-	-	-	100	100	5
8*	ME-1008	Nuclear Engineering	5	0	0	-	-	-	-	100	100	5
9*	ME-1009	Renewable Energy & Energy Management	5	0	0	-	-	-	-	100	100	5
10*	ME-1010	Gas Turbine And Jet Propulsion	5	0	0	-	-	-	-	100	100	5
11*	ME-1011	Mechatronics	5	0	0	-	-	-	-	100	100	5
12*	ME-1012	Advanced Manufacturing Techniques	5	0	0	-	-	-	-	100	100	5
13*	ME-1013	Non-Conventional Machining	5	0	0	-	-	-	-	100	100	5
14*	ME-1014	Experimental Stress Analysis	5	0	0	-	-	-	-	100	100	5
Total			16	0	0	300	100	0	400	400	400	16

Semester II

Dissertation

Dissertation (External)
Seminar (External)

Course code: ME- 1015

75 Marks
Satisfied/Good/Excellent

Viva-Voce (External)

Course code: ME-1016

25 Marks

Total: 100