

**Department of Mechanical Engineering
DIT University, Dehradun**



**Evaluation Scheme
for
Pre Ph.D. Course Work
Session: 2015-16**

Evaluation Scheme for Pre Ph.D. (ME)

List of Elective Subjects (Thermal)

Sl.No.	Course Code	Name of Subject
1	LBA610	Energy Efficient Buildings
2	LBA620	Gas Turbines and Compressors
3	LBA630	Design of Heat Exchangers
4	LBB610	Solar Energy Systems
5	LBB620	Computational Methods for Heat Transfer and Fluid Flow
6	LBB630	Wind Energy Engineering
7	LBB640	Fuel and Combustion Technology
8	LBB650	I.C. Engines Combustion Process & Modeling
9	LBB660	Energy Management, Audit and Conservation
10	LBB670	Advanced Refrigeration and Air Conditioning
11	LBB680	Convective Heat and Mass Transfer

List of Electives (Design and Manufacturing)

Sl.No.	Course Code	Name of Subject
1	LCZ610	Fracture and Failure Analysis
2	LCZ620	Mechanism Design
3	LCZ630	Advanced Mechanics of Solids
4	LCZ640	Computer Control and Machining Tools
5	LCZ650	Advanced Optimization Techniques
6	LCZ660	Composite Materials
7	LCZ670	Computer Aided Design and Graphics
8	LCZ680	Material Processing Techniques
9	LCZ690	Numerical Methods
10	LCZ6A0	Experimental Design & Analysis
11	LCZ6B0	Material Characterisation
12	LCZ6C0	Advanced Manufacturing Techniques

Note: Apart from above listed Elective courses, Research Scholar may choose any course across departments being offered at PG level, if it is required/suggested by the Research Committee.