



Northern Technical University
Engineering Technical College
Power Mechanics Engineering Technology
Graduate Studies – Higher Diploma – Course Curriculum



First Semester				Second Semester			
No.	Course Code	Course Name	Credit Hours	No.	Course Code	Course Name	Credit Hours
1	01	Advanced Fluid Mechanics	3	1	01	Thermal Systems Design	2
2	02	Advanced Heat Transfer	3	2	02	Cutting Operations	3
3	03	Advanced Numerical Analysis	2	3	03	Renewable Energy	3
4	04	Advanced Engineering Materials	2	4	04	Metal Forming Operations	3
5	05	Advanced Machine Design	3	5	05	X-Ray and Electron Microscopy	2
6	06	Advanced Applied Mathematics	2	6	06	Vibrations	2
7	07	English Language	2	7	07	English Language	2
8	08	Research Methodology	1				
Total Credits of First Semester			18	Total Credits of Second Semester			17