

## Master of Science in Mechanical Engineering Study Plan

First Year: Semester I			Total Credit Hours : 9
Course Code	Course Title	Credit Hours	Prerequisite(s)
MEC 511	Advance Mathematics and Applied Statistics	3	Graduate Status
MEC 513	Advanced Thermo-Fluid	3	Graduate Status
MEC 515	Linear Elasticity	3	Graduate Status

First Year: Semester II			Total Credit Hours : 9
Course Code	Course Title	Credit Hours	Prerequisite(s)
MEC 524	Finite Element Applications in Solid Mechanics & Heat Transfer	3	Graduate Status
MEC 522	Advanced Heat Transfer	3	Graduate Status
MEC 526	Renewable Energy	3	Graduate Status

Second Year: Semester I			Total Credit Hours : 9
Course Code	Course Title	Credit Hours	Prerequisite(s)
	Technical Elective 1	3	-
	Technical Elective 2	3	-
MEC 598	Master Thesis 1 (Thesis Option)	3	-

Second Year: Semester II			Total Credit Hours : 9
Course Code	Course Title	Credit Hours	Prerequisite(s)
	Technical Elective 3 (Project Option)	3	-
MEC 588	Graduate project (Project Option)	3	-
MEC 599	Master Thesis 2 (Thesis Option)	3	-