



SECOND YEAR, 1st Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
Math 3	Differential Equations	3	0	3	Math 2
GEC-Art	Arts Appreciation	3	0	3	-
CpE 211	Computer Fundamentals and Programming	0	6	2	Phys Lec/Lab; Math 2
Mech 211	Statics of Rigid Bodies	3	0	3	Phys Lec/Lab; Math 2
Thermo 1	Thermodynamics 1	3	0	3	Phys Lec/Lab; Math 2
Math 4	Engineering Data Analysis	3	0	3	Math 1
ME Shop 2	Machine Shop Theory	0	6	2	ME Shop 1
GEC-TCW	The Contemporary World	3	0	3	-
PE 3	Individual/Dual Sports	2	0	2	PE 2
GEC-STC	Science, Technology and Society	3	0	3	-
TOTAL		23	12	27	

SECOND YEAR, 2nd Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
Mech 223	Mechanics of Deformable Bodies	3	0	3	Mech 211
Mech 222	Dynamics of Rigid Bodies	2	0	2	Mech 211
ME 224 Lec	Materials Science & Engineering for ME	2	0	2	Mech 223; Chem Lec/Lab
ME 224 Lab	Materials Science & Engineering for ME Lab	0	3	1	Mech 223; Chem Lec/Lab
Thermo 2	Thermodynamics 2	3	0	3	Thermo 1
Math 5	Advanced Mathematics for ME	3	0	3	Math 3
EE 214 Lec	Basic Electrical Engineering	2	0	2	Phys Lec/Lab; Math 2
EE 214 Lab	Basic Electrical Engineering Lab	0	3	1	Phys Lec/Lab; Math 2
Mech 224	Fluid Mechanics	3	0	3	Thermo 1; (Mech 222)
ME 221	Heat Transfer	3	0	3	Thermo 1
PE 4	Team Sports and Recreation	2	0	2	PE 3
EPC	English proficiency Course	3	0	3	GEC-PCom
TOTAL		26	6	28	

SECOND YEAR, Summer

As of November 3, 2020

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
ME 232 Lec	Machine Elements	2	0	2	Mech 222
ME 232 Lab	Machine Elements Lab	0	3	1	Mech 222
ME 233	Vibration Engineering	2	0	2	Math 3
Cp E 232	Computer Applications for ME	0	3	1	CpE 211
TOTAL		4	6	6	

THIRD YEAR, 1st Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
ME 314	Machine Design 1	3	0	3	ME 232 Lec/Lab; Mech 223
ECE 310 Lec	Basic Electronics	2	0	2	(EE 214 Lec/Lab)
ECE 310 Lab	Basic Electronics Lab	0	3	1	(EE 214 Lec/Lab)
ME Lab 1	Mechanical Engineering Lab 1	0	3	1	Thermo 2
ME 315	Refrigeration Systems	3	0	3	ME 221
Mech 315	Fluid Machineries	3	0	3	Mech 224
ME Elec 2	Mechanical Engineering Elective 2	2	0	2	3 rd Year Standing
ME Elec 1	Mechanical Engineering Elective 1	2	0	2	3 rd Year Standing
ME 316	Combustion Engineering	3	0	3	Thermo 2
MR	Methods of Research for ME	3	0	3	Math 4
TOTAL		21	6	23	



THIRD YEAR, 2nd Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
_____ Rizal	Life and Works of Rizal	3	0	3	
_____ ME 326	Air-conditioning and Ventilation Systems	3	0	3	ME 315
_____ ME Lab 2	Mechanical Engineering Lab 2	0	6	2	Mech 315; ME Lab 1
_____ EE 325 Lec	DC and AC Machinery	2	0	2	EE 214 Lec/Lab
_____ EE 325 Lab	DC and AC Machinery Lab	0	3	1	EE 214 Lec/Lab
_____ Tech	Technopreneurship 101	3	0	3	-
_____ ME 328 Lec	Power Plant Design with Renewable Energy	3	0	3	ME 316
_____ ME 329 Lab	Machine Design 2 Lab	0	3	1	ME 314
_____ ME 329 Lec	Machine Design 2	3	0	3	ME 314
_____ ME PS 1	ME Project Study 1	0	3	1	MR
_____ BES-Eeco	Engineering Economics	3	0	3	
TOTAL		20	15	25	

THIRD YEAR, Summer/Mid-Year

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
_____ ME 328 Lab	Power Plant Design with Renewable Energy Lab	0	3	1	ME 316
_____ EE 334 Lec	Control Engineering	2	0	2	ECE 220 Lec/Lab
_____ EE 334 Lab	Control Engineering Lab	0	3	1	ECE 220 Lec/Lab
_____ ME Laws	ME Laws, Ethics, Contracts, Codes & Standards	2	0	2	GEC-Ethics
TOTAL		4	6	6	

FOURTH YEAR, 1st Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
_____ SP 2	Special Topics on Steam Power Engineering	3	0	3	4 th Year Standing
_____ SP 3	Special Topics on Industrial Engineering	3	0	3	4 th Year Standing
_____ ME 4110 Lec	Industrial Plant Engineering	3	0	3	ME 326; (ME 4111)
_____ ME 4110Lab	Industrial Plant Engineering Lab	0	3	1	ME 326; (ME 4111)
_____ ME 4111 Lec	Manufacturing & Industrial Processes with Plant Visits	1	0	1	ME 326
_____ ME 4111 Lab	Manufacturing & Industrial Processes with Plant Visits Lab	0	3	1	ME 326
_____ ME PS 2	ME Project Study 2	0	3	1	ME PS 1
_____ SP 1	Special Topics on Mathematics and Machine Design	3	0	3	ME 329 Lec/Lab; BES-Eeco; Thermo 2
_____ ME Lab 3	Mechanical Engineering Lab 3	0	6	2	ME Lab 2; ME 328 Lec/Lab; ME 326
_____ BOSH	Basic Occupational Safety and Health	3	0	3	-
_____ FL	Foreign Language	3	0	3	
TOTAL		19	15	24	

FOURTH YEAR, 2nd Semester

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
_____ OJT	On-the-Job Training	0	500	5	4 th Year Standing
TOTAL		0	500	5	

ME Electives:

Solar Energy and Wind Energy Utilization
Micro-Hydro-Electric Power