Republic of the Philippines

PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY





COLLEGE OF ENGINEERING

Bachelor of Science in Mechanical Engineering

Non-Track Curriculum for AY 2018-2019





	FIRST Y	EAR - Firs	t Semester			
Course Code	Descriptive Title	Но	ur/s	Credit/s	Pre-requisite	Co-requisite
	_	Lec	Lab	Citalys	11c-requisite	Co-requisite
BRG1E	General Chemistry	3	3	4		
BRG2E	Introduction to Calculus	4	3	5		
ME 101	Mechanical Engineering Orientation	1	0	1		
Drawing 1	Engineering Drawing	0	3	1		
GEC1	Understanding the Self	3	0	3		
GEC4	Mathematics in the Modern World	3	0	3		
GEC5	Purposive Communication (English for	3	0	3		
PEN1 NSTP 1	Fitness and Recreational Outdoor Activity	3	0	3		
NSTP I	National Service Training Program I Sub total	22	9	25		
		EAR - Secon	,			
	FIRST 1.		ur/s			
Course Code	Descriptive Title	Lec	Lab	Credit/s	Pre-requisite	Co-requisite
GEC3	The Contemporary World	3	0	3		
BES 01	Computer Aided Drafting	0	3	1	Drawing 1	
BRG3E	General Physics	5	3	6		
MTN4	Calculus I	3	0	3	BRG2E	
GEC2	Reading in Philippine History	3	0	3		+
GEM GEG7	Life and Works of Rizal	3	0	3		1
GEC7	Science, Technology and Society	3	0	3	DEN 1	
PEN2	Philippine Folk Dances	3	0	3	PEN 1	
NSTP 2	National Service Training Program II Sub total	25	6	27	NSTP 1	
				41		
	FIRS.	T YEAR - N	ur/s			
Course Code	Descriptive Title	Lec	ur/s Lab	Credit/s	Pre-requisite	Co-requisite
MTN5	Calculus II	3	() ()	3	MTN4	
Phys 1a	Physics for Engineers	3	3	4	BRG3E, MTN4	MTN5
i nys ra	Sub total	6	3	7	DROJE, WITH	WIIIVS
		YEAR - Fi		-		
	DECOND	I Lank - Fi	ist bemeste.			
		Ho	ur/s			
Course Code	Descriptive Title		ur/s Lab	Credit/s	Pre-requisite	Co-requisite
	_	Lec	Lab			Co-requisite
FME 211	Thermodynamics I	Lec 4	Lab 0	4	Phys 1a, MTN5	Co-requisite
FME 211	_	Lec	Lab			Co-requisite
FME 211 ACM 01	Thermodynamics I Basic Electrical Engineering	Lec 4 2	Lab 0 3	4 3	Phys 1a, MTN5 Phys 1a, MTN5	Co-requisite
FME 211 ACM 01 Mech 1	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies	Lec 4 2 3	Lab 0 3 0	4 3 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5	Co-requisite
FME 211 ACM 01 Mech 1 MTN6	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations	Lec 4 2 3 3 3	Lab 0 3 0 0	4 3 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming	Lec 4 2 3 3 0	Lab 0 3 0 0 3 0 3	4 3 3 3 1	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice	Lec 4 2 3 3 0 0 3	Lab 0 3 0 0 3 0 0 3 0	4 3 3 3 1 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino	Lec 4 2 3 3 0 3 0 3 2 0 3	Lab 0 3 0 0 3 0 0 3 0 0 3 0 0 3 0 0 0 0 0	4 3 3 3 1 3 2 1 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total	Lec 4 2 3 3 0 3 0 3 2 0 3 2 0	Lab 0 3 0 0 3 0 0 3 0 0 3 0 0 0 9	4 3 3 3 1 3 2 1 3 2 2 2 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total	Lec 4 2 3 3 0 3 0 3 2 0 3 20 YEAR - Sec	Lab 0 3 0 0 3 0 0 3 0 0 3 0 0 9 ond Semest	4 3 3 3 1 3 2 1 3 2 2 2 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND	Lec 4 2 3 3 0 3 2 0 3 20 YEAR - Sec	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest	4 3 3 3 1 3 2 1 3 2 2 2 2	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1	
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title	Lec 4 2 3 3 0 3 0 3 2 0 3 20 YEAR - Sec Ho	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest	4 3 3 3 1 3 2 1 3 2 2 Credit/s	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1	Co-requisite Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec)	Lec 4 2 3 3 0 3 0 3 2 0 3 20 YEAR - Sec Ho Lec 3	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest	4 3 3 3 1 3 2 1 3 23 er Credit/s	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab)	Lec 4 2 3 3 0 3 0 3 2 0 3 20 YEAR - Sec Ho Lec 3 0	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3	4 3 3 3 1 3 2 1 3 23 er Credit/s 3 1	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E	
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME	Lec 4 2 3 3 0 3 2 0 3 20 YEAR - Sec Ho Lec 3 0 3	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0	4 3 3 3 1 3 2 1 3 23 er Credit/s 3 1 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management	Lec 4 2 3 3 0 3 2 0 3 20 YEAR - Sec Ho Lec 3 0 3 2	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 0	4 3 3 3 1 3 2 1 3 23 er Credit/s 3 1 3 2	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II	Lec 4 2 3 3 0 3 2 0 3 20 YEAR - Sec Ho Lec 3 0 3 4	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 0 0	4 3 3 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 3 0 0 3 0 0 0 0 0 3	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 0 3 0 0 0 0 0 0	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 3 3 2 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02 PEN4	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics Team Sports	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3 2	Lab 0 3 0 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 0 3 0 0 0 0 0 0 0 0 0	4 3 3 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 4 3 2 3 2	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101 PEN 1	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics Team Sports Sosyedad at Literatura/Panitikang Panlipunan	Lec 4 2 3 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3 2 3 3	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 0 0 3 0 0 0 0 0 0 0 0 0	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 4 3 2 3 2 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02 PEN4	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics Team Sports Sosyedad at Literatura/Panitikang Panlipunan Sub total	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3 2 3 2 4 2 2 3 2 4	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 0 3 0 0 0 0 6	4 3 3 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 4 3 2 3 2	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101 PEN 1	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02 PEN4	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics Team Sports Sosyedad at Literatura/Panitikang Panlipunan Sub total SECON	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3 2 4 2 2 3 2 4 2 4 2 2 3 4 2 4 2	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 0 3 0 0 0 0 0 Mid Year	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 4 3 2 3 2 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101 PEN 1 FILN1	Co-requisite Chem 1a
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02 PEN4	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics Team Sports Sosyedad at Literatura/Panitikang Panlipunan Sub total SECON	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3 2 4 2 2 3 2 4 2 4 2 2 3 4 2 4 2	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 3 0 0 0 3 0 0 0 0 6	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 4 3 2 3 2 3	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101 PEN 1	Co-requisite
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02 PEN4 FILN2	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics Team Sports Sosyedad at Literatura/Panitikang Panlipunan Sub total SECON Descriptive Title Machine Shop Theory	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3 2 4 2 2 3 2 4 HO YEAR -	Lab 0 3 0 0 3 0 0 3 0 0 3 0 9 ond Semest ur/s Lab 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 4 3 2 4 3 2 4 3 2 Credit/s 2	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101 PEN 1 FILN1	Co-requisite Chem 1a
FME 211 ACM 01 Mech 1 MTN6 ECN 1a EDA 101 PEN3 FME 212 FILN1 Course Code Chem 1a Chem 1aL FME 223 BES 03 FME 221 ACM 02 Mech 2 BES 02 PEN4 FILN2 Course Code	Thermodynamics I Basic Electrical Engineering Statics of Rigid Bodies Differential Equations Computer Fundamentals and Programming Engineering Data Analysis Individual and Dual Sports Workshop Theory and Practice Kontekstwalisadong Komunikasyon sa Filipino Sub total SECOND Descriptive Title Chemistry for Engineers (lec) Chemistry for Engineers (lab) Advance Mathematics for ME Engineering Management Thermodynamics II Basic Electronics Dynamics of Rigid Bodies Engineering Economics Team Sports Sosyedad at Literatura/Panitikang Panlipunan Sub total SECON	Lec 4 2 3 3 0 3 0 3 20 YEAR - Sec Ho Lec 3 0 3 2 4 2 2 3 2 4 2 4 4 2 4 4 4 4 4 4 4 4	Lab	4 3 3 3 1 3 1 3 2 1 3 23 er Credit/s 3 1 3 2 4 3 2 3 2 4 3 2 3 2 6 Credit/s	Phys 1a, MTN5 Phys 1a, MTN5 Phys 1a, MTN5 MTN5 MTN5 MTN5 PEN 1 Pre-requisite BRG1E MTN6 FME 211 ACM 01 Mech 1 EDA 101 PEN 1 FILN1 Pre-requisite	Co-requisite Chem 1a

	THIRD	YEAR - Fir	st Semester			
Course Code	Descriptive Title	Ho Lec	ur/s Lab	Credit/s	Pre-requisite	Co-requisite
Mech 3a	Mechanics of Deformable Bodies	3	0	3	Mech 2	
FILN3	SineSosyedad/Pelikulang Panlipunan	3	0	3	FILN1	
AC 03	DC and AC Machinery	2	3	3	ACM 01	
FME 312	Heat Transfer	2	0	2	FME 221	
FME 311	Fluid Mechanics	3	0	3	FME 221	
FME 313	Machine Elements	2	3	3	Mech 2	
					MTN6, 3rd Year	
FME 314	Vibration Engineering	2	0	2	Standing	
GEE 13	Environmental Science and Engineering	2	0	2	Chem 1a	
FME 315	Computer Applications for ME	0	3	1	BES 01	
EC 1	Mechanical Engineering Elective I	2	0	2	3rd Year Standing	
	Sub total	21	9	24		
	THIRD Y	EAR - Seco	nd Semeste	r		
Course Code	Descriptive Title	Ho Lec	ur/s Lab	Credit/s	Pre-requisite	Co-requisite
			Lab		EDA 101, 3rd Year	
FME 329	Methods of Research for M.E.	3	0	3	Standing	
FME 322	Refrigeration Systems	3	0	3	FME 312	
FME 321	Fluid Machinery	3	0	3	FME 311	
FME 323	Combustion Engineering	2	0	2	FME 221	
FME 324	Materials Science & Engineering for ME	2	3	3	Mech 3a, Chem 1a	
FME 325	Mechanical Engineering Lab I	0	3	1	FME 221	
GEE7	Gender and Society	3	0	3		
FME 326	Control Engineering	3	0	3	ACM 02	
FME 326L	Control Engineering Laboratory	0	3	1		FME 326
EC 2	Mechanical Engineering Elective II	2	0	2	EC 1	
EC 2	Sub total	21	9	24	EC 1	
		D YEAR - N	,	4 1		
	l		ur/s			
Course Code	Descriptive Title		Lab	Credit/s	Pre-requis	site
					4th Year Standing, FME 322, FME 321	
OJT-ME	On-the-Job Training (280 hours)	Lec 3		3	4th Year Standing, FMF	E 322. FME 321
OJT-ME	On-the-Job Training (280 hours) Sub total	3	280 hrs	3 3	4th Year Standing, FME	E 322, FME 321
ОЈТ-МЕ	Sub total	3 3	280 hrs 0	3	4th Year Standing, FME	E 322, FME 321
	Sub total FOURTH	3 3 YEAR - Fi	280 hrs 0 rst Semeste	3 r		
OJT-ME Course Code	Sub total FOURTH	3 3 YEAR - Fi Ho	280 hrs 0 rst Semeste ur/s	3	4th Year Standing, FME Pre-requisite	Co-requisite
Course Code	Sub total FOURTH Descriptive Title	3 3 YEAR - Fi Ho Lec	280 hrs 0 rst Semeste ur/s Lab	3 r	Pre-requisite	
Course Code PME 419	Sub total FOURTH Descriptive Title ME Project Study I	3 3 YEAR - Fi Ho Lec	280 hrs 0 rst Semeste ur/s Lab 3	3 Credit/s	Pre-requisite FME 329	
Course Code PME 419 FME 412	FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems	3 3 YEAR - Fi Ho Lec 0 3	280 hrs 0 rst Semeste ur/s Lab 3 0	Credit/s 1 3	Pre-requisite FME 329 FME 322	
Course Code PME 419 FME 412 PME 413	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy	3 3 YEAR - Fi Ho Lec 0 3 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3	3 Credit/s 1 3 4	Pre-requisite FME 329 FME 322 FME 323	
Course Code PME 419 FME 412 PME 413 PME 411	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I	3 3 YEAR - Fi Ho Lec 0 3 3 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3 3	3 Credit/s 1 3 4 4	Pre-requisite FME 329 FME 322 FME 323 FME 313	
Course Code PME 419 FME 412 PME 413	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II	3 3 YEAR - Fi Ho Lec 0 3 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3	3 Credit/s 1 3 4	Pre-requisite FME 329 FME 322 FME 323	
Course Code PME 419 FME 412 PME 413 PME 411	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I	3 3 YEAR - Fi Ho Lec 0 3 3 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3 3	3 Credit/s 1 3 4 4	Pre-requisite FME 329 FME 322 FME 323 FME 313	
Course Code PME 419 FME 412 PME 413 PME 411 FME 415	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant	3 3 YEAR - Fi Ho Lec 0 3 3 3 0	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6	3 Credit/s 1 3 4 4 2	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321	
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414	Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive	3 3 YEAR - Fi Ho Lec 0 3 3 0 2	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3	3 Credit/s 1 3 4 4 2 3	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324	
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 6	3 Credit/s 1 3 4 4 2 3 3 2	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321	
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8	Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24	3 Credit/s 1 3 4 4 2 3 3 2 22	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324	
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination	3 3 YEAR - Fi Ho Lec 0 3 3 0 2 3 0 14 YEAR - Sec	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24 ond Semest	3 Credit/s 1 3 4 4 2 3 3 2 22	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324	
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8	Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total	3 3 YEAR - Fi Ho Lec 0 3 3 0 2 3 0 14 YEAR - Sec Ho	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24 ond Semest ur/s	3 Credit/s 1 3 4 4 2 3 3 2 22	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324	
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24 ond Semest ur/s Lab	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24 ond Semest ur/s Lab 3	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 0 6 24 ond Semest ur/s Lab 3 3 3	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429 PME 421	Sub total POURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II Machine Design II	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0 2	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 0 6 24 ond Semest ur/s Lab 3 3 3 3 3	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419 PME 411	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429 PME 421 PME 425	Sub total POURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II Machine Design II Mechanical Engineering Lab III	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0 2 0	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 0 6 24 ond Semest ur/s Lab 3 3 6	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419 PME 411 FME 415	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429 PME 421 PME 425 FME 420	Sub total FOURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II Machine Design II Mechanical Engineering Lab III Basic Occupational Safety and Health	3 3 YEAR - Fi Ho Lec 0 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0 2 0 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24 ond Semest ur/s Lab 3 3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s 4 1 3 2 3 2 3	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419 PME 411 FME 415 4th Year Standing	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429 PME 421 PME 425	Sub total POURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II Machine Design II Mechanical Engineering Lab III Basic Occupational Safety and Health ME Laws, Ethics, Contracts, Codes & Standards	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0 2 0	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 0 6 24 ond Semest ur/s Lab 3 3 6	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419 PME 411 FME 415	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429 PME 421 PME 425 FME 420	Sub total POURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II Machine Design II Mechanical Engineering Lab III Basic Occupational Safety and Health ME Laws, Ethics, Contracts, Codes & Standards ME Course Audit II with Comprehensive	3 3 YEAR - Fi Ho Lec 0 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0 2 0 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24 ond Semest ur/s Lab 3 3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s 4 1 3 2 3 2 3	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419 PME 411 FME 415 4th Year Standing	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429 PME 421 PME 425 FME 420 PME 427 MER 2	Sub total POURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II Machine Design II Mechanical Engineering Lab III Basic Occupational Safety and Health ME Laws, Ethics, Contracts, Codes & Standards ME Course Audit II with Comprehensive Examination	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0 2 0 3 0 2 0 0 3	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 0 6 24 ond Semest ur/s Lab 3 6 0 6 0 0 6	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s 4 1 3 2 3 2 2 2 2	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419 PME 411 FME 415 4th Year Standing GEC8	Co-requisite
Course Code PME 419 FME 412 PME 413 PME 411 FME 415 FME 414 GEC8 MER 1 Course Code PME 422 PME 429 PME 421 PME 425 FME 420 PME 427	Sub total POURTH Descriptive Title ME Project Study I Airconditioning and Ventilation Systems Power Plant Design with Renewable Energy Machine Design I Mechanical Engineering Lab II Manufacturing & Industrial Processes with Plant Visits Ethics ME Course Audit I with Comprehensive Examination Sub total FOURTH Descriptive Title Industrial Plant Engineering ME Project Study II Machine Design II Mechanical Engineering Lab III Basic Occupational Safety and Health ME Laws, Ethics, Contracts, Codes & Standards ME Course Audit II with Comprehensive	3 3 YEAR - Fi Ho Lec 0 3 3 3 0 2 3 0 14 YEAR - Sec Ho Lec 3 0 2 0 3 2	280 hrs 0 rst Semeste ur/s Lab 3 0 3 6 3 6 24 cond Semest ur/s Lab 3 3 6 0 0 0 0	3 Credit/s 1 3 4 4 2 3 3 2 22 er Credit/s 4 1 3 2 3 2 3 2 2	Pre-requisite FME 329 FME 322 FME 323 FME 313 FME 321 FME 324 4th Year Standing Pre-requisite FME 412 PME 419 PME 411 FME 415 4th Year Standing GEC8	Co-requisite

Total Units = 206

Prepared by:

MARLON JAMES A. DEDICATORIA, ME, PhD

Dean, College of Engineering

^{*}The nth Year Standing means that the student shall have completed at least 75% of the load requirements of the previous year level *Pre-requisite subjects with a grade of INC must be completed first before taking the succeeding subject