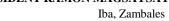
## Republic of the Philippines

## PRESIDENT RAMON MAGSAYSAY STATE UNIVERSITY







## Bachelor of Science in Mechanical Engineering

**2019 Curriculum**Reference: CMO No.97 series of 2017, PSG for the Bachelor of Science in Mechanical Engineering

	Reference: CMO No.97 series of 2017, I	bo for the i	successor of a	ociciice ili ivic	enamear Engineering	
	FIRST	' YEAR - Fi	rst Semeste	r		
Course Code	Descriptive Title	Но	ur/s	Credit/s	Pre-requisite	Co-requisite
	•	Lec	Lab	Credit/s	1 re-requisite	Co-requisite
Chem 1	General Chemistry	3	3	4		
Drawing 1	Engineering Drawing	0	3	1		
FEMA 1	Fundamental Engineering Mathematics I	3	0	3		MTN 4, FEMA 2
FEMA 2	Fundamental Engineering Mathematics II	3	0	3		MTN 4, FEMA 1
GEC 4	Mathematics in the Modern World	3	0	3		
GEC 7 ME 110	Science, Technology and Society  Mechanical Engineering Orientation	3	0	3		
MTN 4	Calculus I	3	0	3		FEMA 1, FEMA 2
PEN 1	Fitness and Recreational Outdoor Activity	2	0	2		TEMA 1, TEMA 2
NSTP 1	National Service Training Program I	3	0	3		
NOTE I	Sub total	24	6	26		
		YEAR - Sec				
			ur/s			T T
Course Code	Descriptive Title	Lec	Lab	Credit/s	Pre-requisite	Co-requisite
Chem 1a	Chemistry for Engineers	3	3	4	Chem1	
ECN 1a	Computer Fundamentals and Programming	0	3	1	Chemi	
GEC 1	Understanding the Self	3	0	3		
GEC 3a	The Contemporary World (Peace Education)	3	0	3		
MTN 5	Calculus II	3	0	3	MTN 4, FEMA 1,	
Phys 1a	Physics for Engineers I	3	3	4	FEMA 2 MTN 4, FEMA 1,	MTN 5
Phys 1b	Physics for Engineers II	2	3	3	FEMA 2 MTN 4, FEMA 1,	MTN 5, Phys 1a
PEN 2	Difficulty Falls Dances	2	0	2	FEMA 2 PEN 1	
NSTP 2	Philippine Folk Dances National Service Training Program II	3	0	3	NSTP 1	
NSIF 2	Sub total	22	12	26	NSIF I	
		•		20		
	FIR	ST YEAR -	ur/s			
Course Code	Descriptive Title	Lec	Lab	Credit/s	Pre-requisite	Co-requisite
GEC 8	Ethics	3	0	3		
GEE 7	Gender and Society	3	0	3		
GEM	Life and Works of Rizal	3	0	3		
	Sub total	9	0	9		
		D YEAR - I	First Semest	er		
~ ~ -	1					
				~		~
Course Code	Descriptive Title	Но	ur/s	Credit/s	Pre-requisite	Co-requisite
	_			Credit/s		Co-requisite
ACM 01 BES 01	Descriptive Title  Basic Electrical Engineering  Computer Aided Drafting	Ho Lec	ur/s Lab		Phys 1b, MTN 5	Co-requisite
ACM 01	Basic Electrical Engineering	Lec 2	ur/s Lab	3		Co-requisite
ACM 01 BES 01	Basic Electrical Engineering Computer Aided Drafting	Ho   Lec   2   0	ur/s Lab 3	3 1	Phys 1b, MTN 5 Drawing 1	Co-requisite
ACM 01 BES 01 EDA 101	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis	Ho   Lec   2   0   3	ur/s Lab 3 3 0	3 1 3	Phys 1b, MTN 5 Drawing 1	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I	Ho   Lec   2   0   3   3   3	ur/s Lab 3 3 0 0	3 1 3 3	Phys 1b, MTN 5 Drawing 1	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice	Ho Lec 2 0 3 3 3	ur/s Lab 3 0 0 0	3 1 3 3 3	Phys 1b, MTN 5 Drawing 1 MTN4	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I	Ho Lec 2 0 3 3 4	ur/s Lab 3 0 0 0 0 0	3 1 3 3 3 4	Phys 1b, MTN 5 Drawing 1 MTN4	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations	Ho Lec 2 0 3 3 4 0	ur/s  Lab  3  0  0  0  0  3	3 1 3 3 3 4	Phys 1b, MTN 5 Drawing 1 MTN4 Phys 1a, MTN 5	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports	Ho Lec 2 0 3 3 3 4 0 3 3 2	ur/s  Lab  3  0  0  0  0  0  0  0  0  0  0  0  0	3 1 3 3 3 4 1 1 3 3 2	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations	Ho Lec 2 0 3 3 3 4 0 3 3 3	ur/s  Lab  3  0  0  0  0  3  0  0  0  0  0  0  0	3 1 3 3 3 4 1 1 3 3	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  MTN 5	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total	Ho Lec 2 0 3 3 3 4 0 3 2 23  YEAR - Se	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 2 2 26	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  MTN 5	Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND	Ho   Lec   2   0   3   3   3   4   0   3   3   2   23     YEAR - Se   Ho	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 2 2 26	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  MTN 5	Co-requisite  Co-requisite
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND	Ho Lec 2 0 3 3 3 4 0 3 2 23  YEAR - Se	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 1 3 3 2 26	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  MTN 5 PEN 1	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND Descriptive Title	Ho   Lec   2   0   3   3   3   4   0   3   3   2   23     YEAR - Se   Ho   Lec	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 1 3 3 2 26	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  Phys 1a, MTN 5  PEN 1  Pre-requisite	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND Descriptive Title Basic Electronics	Ho   Lec   2   0   3   3   3   4   0   3   3   2   23     YEAR - Se   Ho   Lec   2	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 4 1 2 26  Ster  Credit/s 3	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  Phys 1a, MTN 5  PEN 1  Pre-requisite  ACM 01	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02 BES 02	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND Descriptive Title  Basic Electronics Engineering Economics	Ho   Lec   2   3   3   3   4   0   3   3   3   2   2   23     Ho   Lec   2   3   3	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 4 1 5 2 26 Ster Credit/s 3 3	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  Phys 1a, MTN 5  PEN 1  Pre-requisite  ACM 01	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02 BES 02 BES 03	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND Descriptive Title  Basic Electronics Engineering Economics Engineering Management	Ho   Lec   2   3   3   2   2   3   2   2   3   2	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 4 1 5 2 26 Ster Credit/s 3 3 2	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  Phys 1a, MTN 5  PEN 1  Pre-requisite  ACM 01	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02 BES 02 BES 03 FILN 2	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND Descriptive Title  Basic Electronics Engineering Economics Engineering Management Sosyedad at Literatura/Panitikang Panlipunan	Ho   Lec   2   3   3   3   4   0   3   3   3   2   2   3   2   3   3   2   3   3	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 2 26  Credit/s 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5 Phys 1a, MTN 5 MTN 5 PEN 1  Pre-requisite ACM 01 EDA 101	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02 BES 02 BES 02 BES 03 FILN 2 GEE 13	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND Descriptive Title  Basic Electronics Engineering Economics Engineering Management Sosyedad at Literatura/Panitikang Panlipunan Environmental Science and Engineering	Ho   Lec   2   3   3   2   4   3   3   2   4   3   3   2   4   3   3   3   2   4   3   3   3   2   4   3   3   3   3   3   3   3   3   3	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 4 1 3 3 2 26 ster Credit/s 3 3 2 4 3 4 3	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  Phys 1a, MTN 5  PEN 1  Pre-requisite  ACM 01 EDA 101  Chem 1a	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02 BES 02 BES 02 BES 03 FILN 2 GEE 13 ME 221 ME 225 ME 227	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND  Descriptive Title  Basic Electronics Engineering Economics Engineering Management Sosyedad at Literatura/Panitikang Panlipunan Environmental Science and Engineering Thermodynamics II Advance Mathematics for ME Machine Shop Theory	Ho   Lec   2   3   2   4   3   0	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 4 1 3 3 2 26  ster  Credit/s 3 3 2 4 3 2 4 3 2	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  Phys 1a, MTN 5  PEN 1  Pre-requisite  ACM 01 EDA 101  Chem 1a ME 211 MTN 6 ME 217	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02 BES 02 BES 03 FILN 2 GEE 13 ME 221 ME 225 ME 227 Mech 2	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND  Descriptive Title  Basic Electronics Engineering Economics Engineering Management Sosyedad at Literatura/Panitikang Panlipunan Environmental Science and Engineering Thermodynamics II Advance Mathematics for ME Machine Shop Theory Dynamics of Rigid Bodies	Ho   Lec   2   3   2   3   2   4   3   0   2	Lab   3   0   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 4 1 3 3 2 26 Ster Credit/s 3 3 2 4 3 2 4 3 2 2 4 3 2 2	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5 Phys 1a, MTN 5 PEN 1  Pre-requisite ACM 01 EDA 101  Chem 1a ME 211 MTN 6 ME 217 Mech 1	
ACM 01 BES 01 EDA 101 FILN 1 GEC 5 ME 211 ME 217 Mech 1 MTN 6 PEN 3  Course Code ACM 02 BES 02 BES 02 BES 03 FILN 2 GEE 13 ME 221 ME 225 ME 227	Basic Electrical Engineering Computer Aided Drafting Engineering Data Analysis Kontekstwalisadong Komunikasyon sa Filipino Purposive Communication Thermodynamics I Workshop Theory and Practice Statics of Rigid Bodies Differential Equations Individual and Dual Sports Sub total  SECOND  Descriptive Title  Basic Electronics Engineering Economics Engineering Management Sosyedad at Literatura/Panitikang Panlipunan Environmental Science and Engineering Thermodynamics II Advance Mathematics for ME Machine Shop Theory	Ho   Lec   2   3   2   4   3   0	Lab   3   3   0   0   0   0   0   0   0   0	3 1 3 3 3 4 1 3 3 4 1 3 3 2 26  ster  Credit/s 3 3 2 4 3 2 4 3 2	Phys 1b, MTN 5 Drawing 1 MTN4  Phys 1a, MTN 5  Phys 1a, MTN 5  Phys 1a, MTN 5  PEN 1  Pre-requisite  ACM 01 EDA 101  Chem 1a ME 211 MTN 6 ME 217	

Course Cad.	Description Title	Ho	ur/s	Credit/s	Duo maniaita	Co ====================================
Course Code	Descriptive Title	Lec	Lab	Creait/s	Pre-requisite	Co-requisite
ACM 03	DC and AC Machinery	2	3	3	ACM 01	
BES 04	Technopreneurship 101	3	0	3		
FILN 3	SineSosyedad/Pelikulang Panlipunan	3	0	3	FILN 2	
GEC 2a	Reading in Philippine History (IP Education)	3	0	3		
GEE 2	People and the Earth's Ecosystem	3	0	3		
ME 312	Heat Transfer	2	0	2	ME 221	
ME 314	Fluid Mechanics	3	0	3	ME 211	
ME 315	Computer Applications for ME	0	3	1	BES 01	
ME 316	Vibration Engineering	2	0	2	MTN 6, 3rd Year Standing	
Mech 3a	Mechanics of Deformable Bodies	3	0	3	Mech 2	
	Sub total	24	6	26		
		VFAR - Sec	ond Semest			
			ur/s			
Course Code	Descriptive Title	Lec	Lab	Credit/s	Pre-requisite	Co-requisite
GEC 6	Arts Appreciation	3	0	3		
ME 320	Mechanical Engineering Elective I	2	0	2	3rd Year Standing	
ME 321	Combustion Engineering	2	0	2	ME 221	
ME 322	Refrigeration Systems	3	0	3	ME 312	
ME 323	Materials Science & Engineering for ME	2	3	3	Mech 3a, Chem 1a	
ME 324	Fluid Machinery	3	0	3	ME 314	
ME 327	Machine Elements	3	3	4	Mech 2	
ME 328	Mechanical Engineering Lab I	0	3	1	ME 221	
ME 329	Methods of Research for M.E.	3	0	3	EDA 101, 3rd Year	
	Sub total	21	9	24	,	
		RD YEAR -	Mid Year			
			ur/s			
Course Code	Descriptive Title	Lec	Lab	Credit/s	Pre-requ	isite
OJT-ME	On-the-Job Training (280 hours)	3	280 hrs	3	4th Year Standing, M	E 322, ME 324
	Sub total	3	0	3	<i>C</i> ,	,
			Finat Compat	er		
	FOURT	H YEAR - I				
		H YEAR - I				
Course Code		Но	ur/s	Credit/s	Pre-requisite	Co-requisite
	Descriptive Title					Co-requisite
ME 410	Descriptive Title  Mechanical Engineering Elective II	Ho Lec 2	ur/s Lab	Credit/s	Pre-requisite  ME 320  ME 321	Co-requisite
ME 410 ME 411	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy	Ho Lec 2 3	ur/s Lab 0 3	Credit/s  2 4	ME 320 ME 321	Co-requisite
ME 410 ME 411 ME 412	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy  Airconditioning and Ventilation Systems	Ho Lec 2	ur/s Lab	Credit/s	ME 320 ME 321 ME 322	Co-requisite
ME 410 ME 411 ME 412 ME 416	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy  Airconditioning and Ventilation Systems  Control Engineering	Ho Lec 2 3 3	ur/s Lab 0 3 0 0	2 4 3	ME 320 ME 321	-
ME 410 ME 411 ME 412 ME 416 ME 416L	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy  Airconditioning and Ventilation Systems  Control Engineering  Control Engineering Laboratory	Ho Lec 2 3 3 2	ur/s Lab 0 3 0 0 3	2 4 3 2	ME 320 ME 321 ME 322 ACM 02	Co-requisite  ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy  Airconditioning and Ventilation Systems  Control Engineering  Control Engineering Laboratory  Machine Design I	Ho Lec 2 3 3 2 0	Ur/s Lab 0 3 0 0 3 3 3 3	2 4 3 2 1 4	ME 320 ME 321 ME 322 ACM 02 ME 327	-
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems  Control Engineering  Control Engineering Laboratory  Machine Design I  Mechanical Engineering Lab II	Ho Lec 2 3 3 2 0 3	Ur/s Lab 0 3 0 0 3 0 3 6	2 4 3 2 1	ME 320 ME 321 ME 322 ACM 02 ME 327 ME 324	-
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy  Airconditioning and Ventilation Systems  Control Engineering  Control Engineering Laboratory  Machine Design I	Ho Lec 2 3 3 2 0 3 0	Ur/s Lab 0 3 0 0 3 3 3 3	2 4 3 2 1 4 2	ME 320 ME 321 ME 322 ACM 02 ME 327	-
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems  Control Engineering  Control Engineering Laboratory  Machine Design I  Mechanical Engineering Lab II  ME Project Study I	Ho Lec 2 3 3 2 0 3 0 0	ur/s  Lab  0  3  0  0  3  6  3	2 4 3 2 1 4 2	ME 320 ME 321 ME 322 ACM 02 ME 327 ME 324 ME 329	-
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419	Descriptive Title  Mechanical Engineering Elective II Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems Control Engineering Control Engineering Laboratory Machine Design I Mechanical Engineering Lab II ME Project Study I Special Topics in Engineering Mathematics Sub total	Ho Lec 2 3 3 2 0 3 0 0 3 16	ur/s Lab 0 3 0 0 3 0 3 6 3 0 18	2 4 3 2 1 4 2 1 3 2 2	ME 320 ME 321 ME 322 ACM 02 ME 327 ME 324 ME 329	-
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems  Control Engineering Control Engineering Laboratory  Machine Design I  Mechanical Engineering Lab II  ME Project Study I  Special Topics in Engineering Mathematics  Sub total	Ho Lec 2 3 3 2 0 3 0 0 3 16  YEAR - Se	ur/s Lab 0 3 0 0 3 0 3 0 18 cond Semes	Credit/s  2 4 3 2 1 4 2 1 3 22 2 1 3 22 ster	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing	ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems  Control Engineering Control Engineering Laboratory  Machine Design I  Mechanical Engineering Lab II  ME Project Study I  Special Topics in Engineering Mathematics  Sub total	Ho Lec 2 3 3 2 0 3 0 0 3 16  YEAR - So Ho	ur/s  Lab  0  3  0  0  3  6  3  6  18  cond Semes	2 4 3 2 1 4 2 1 3 2 2	ME 320 ME 321 ME 322 ACM 02 ME 327 ME 324 ME 329	ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems  Control Engineering  Control Engineering Laboratory  Machine Design I  Mechanical Engineering Lab II  ME Project Study I  Special Topics in Engineering Mathematics  Sub total  FOURTH  Descriptive Title	Ho Lec 2 3 3 2 0 3 0 0 3 16 YEAR - Se Ho	ur/s  Lab  0  3  0  0  3  3  6  3  0  18  cond Semestur/s  Lab	Credit/s  2  4  3  2  1  4  2  1  3  22  Credit/s	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing	ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems  Control Engineering Control Engineering Laboratory  Machine Design I  Mechanical Engineering Lab II  ME Project Study I  Special Topics in Engineering Mathematics  Sub total  FOURTH  Descriptive Title  ME Laws, Ethics, Contracts, Codes & Standards	Ho Lec 2 3 3 2 0 3 0 0 3 16  YEAR - Se Ho Lec 2	ur/s  Lab  0  3  0  0  3  6  3  6  3  0  18  cond Semestur/s  Lab  0	Credit/s   2   4   3   2   1   4   2   1   3   22     Ster   Credit/s   2	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing  Pre-requisite GEC 8	ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1 Course Code ME 420 ME 422	Descriptive Title  Mechanical Engineering Elective II  Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems  Control Engineering Control Engineering Laboratory  Machine Design I  Mechanical Engineering Lab II  ME Project Study I  Special Topics in Engineering Mathematics  Sub total  FOURTH  Descriptive Title  ME Laws, Ethics, Contracts, Codes & Standards Industrial Plant Engineering	Ho Lec 2 3 3 3 2 0 3 0 0 3 16  YEAR - Se Ho Lec 2 3	ur/s  Lab  0  3  0  0  3  6  3  0  18  cond Semestur/s  Lab  0  3	2 4 3 2 1 4 2 1 3 22 1 Credit/s 2 Credit/s 2 4	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing  Pre-requisite GEC 8 ME 412	ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1  Course Code ME 420 ME 422 ME 424	Mechanical Engineering Elective II Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems Control Engineering Control Engineering Laboratory Machine Design I Mechanical Engineering Lab II ME Project Study I Special Topics in Engineering Mathematics Sub total  FOURTH Descriptive Title  ME Laws, Ethics, Contracts, Codes & Standards Industrial Plant Engineering Basic Occupational Safety and Health Manufacturing & Industrial Processes with Plant	Ho Lec 2 3 3 2 0 3 0 0 3 16  YEAR - Se Ho Lec 2	ur/s  Lab  0  3  0  0  3  6  3  6  3  0  18  cond Semestur/s  Lab  0	Credit/s   2   4   3   2   1   4   2   1   3   22     Ster   Credit/s   2	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing  Pre-requisite GEC 8	ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1  Course Code ME 420 ME 422 ME 424 ME 423	Mechanical Engineering Elective II Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems Control Engineering Control Engineering Laboratory Machine Design I Mechanical Engineering Lab II ME Project Study I Special Topics in Engineering Mathematics Sub total  FOURTH  Descriptive Title  ME Laws, Ethics, Contracts, Codes & Standards Industrial Plant Engineering Basic Occupational Safety and Health Manufacturing & Industrial Processes with Plant Visits	Ho Lec  2 3 3 2 0 3 0 0 3 16  YEAR - Se Ho Lec 2 3 3 2	ur/s  Lab  0 3 0 0 3 3 6 3 0 18 cond Semesur/s  Lab 0 3 0 3 3 3	Credit/s   2   4   3   2   1   4   2   1   3   22	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing  Pre-requisite GEC 8 ME 412 4th Year Standing ME 323	ME 416
ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1  Course Code ME 420 ME 422 ME 424 ME 423 ME 423	Mechanical Engineering Elective II Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems Control Engineering Control Engineering Laboratory Machine Design I Mechanical Engineering Lab II ME Project Study I Special Topics in Engineering Mathematics Sub total  FOURTH  Descriptive Title  ME Laws, Ethics, Contracts, Codes & Standards Industrial Plant Engineering Basic Occupational Safety and Health Manufacturing & Industrial Processes with Plant Visits Machine Design II	Ho Lec  2 3 3 2 0 3 0 0 3 16  YEAR - Se Ho Lec 2 3 3 2 2	ur/s  Lab  0 3 0 0 3 3 6 3 0 18 cond Semesur/s  Lab 0 3 3 3 3 3 3 4 3 4 4 5 5 6 3 0 18 6 3 3 0 3 3 3 3 3 4 3 4 3 3 4 3 4 3 3 4 3 4	Credit/s  2 4 3 2 1 4 2 1 3 22  Ster  Credit/s  2 4 3 3 3 3	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing  Pre-requisite  GEC 8 ME 412 4th Year Standing  ME 323 ME 417	ME 416
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ME 410 ME 411 ME 412 ME 416 ME 416L ME 417 ME 418 ME 419 MEST 1  Course Code ME 420 ME 422 ME 424 ME 423 ME 423 ME 427 ME 428	Mechanical Engineering Elective II Power Plant Design with Renewable Energy Airconditioning and Ventilation Systems Control Engineering Control Engineering Laboratory Machine Design I Mechanical Engineering Lab II ME Project Study I Special Topics in Engineering Mathematics Sub total  FOURTH  Descriptive Title  ME Laws, Ethics, Contracts, Codes & Standards Industrial Plant Engineering Basic Occupational Safety and Health Manufacturing & Industrial Processes with Plant Visits Machine Design II Mechanical Engineering Lab III	Ho Lec  2 3 3 3 2 0 3 0 0 3 16  YEAR - Se Ho Lec 2 3 3 2 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0	ur/s  Lab  0 3 0 0 3 3 6 3 0 18 cond Semes ur/s  Lab 0 3 0 3 6	Credit/s   2   4   3   2   1   4   2   1   3   22     5ter     Credit/s   2   4   3   3   3   3   2   2	ME 320 ME 321 ME 322 ACM 02  ME 327 ME 324 ME 329 4th Year Standing  Pre-requisite GEC 8 ME 412 4th Year Standing ME 323 ME 417 ME 418, ME 411	ME 416

Prepared by:

MARLON JAMES A. DEDICATORIA, ME, Ph.D.
Program Chair, BS Mechanical Engineering / Dean, College of Engineering

<sup>\*</sup>The nth Year Standing means that the student shall have completed at least 75% of the load requirements of the previous year level

 $<sup>{</sup>m *Pre-requisite}$  subjects with a grade of INC must be completed first before taking the succeeding subject