

HOLY ANGEL UNIVERSITY
Angeles City
REGISTRAR'S OFFICE
COLLEGE OF ENGINEERING AND ARCHITECTURE
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
EFFECTIVE S.Y. 2005-2006

FIRST YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
_____	MATHALG College Algebra	5	0	5	NONE
_____	TRIGO Plane & Spherical Trigonometry	3	0	3	NONE
_____	GCHEM1 General Chemistry 1 Lecture	3	0	3	NONE
_____	GCHEM1L General Chemistry 1 Laboratory	0	3	1	NONE
_____	1ENGLISH Reading and Writing	3	0	3	NONE
_____	ESDRAW Engineering Drawing	0	3	1	NONE
_____	4PHILHIS Philippine History	3	0	3	NONE
_____	5THEO1 Doing Catholic Theology for Today's Filipino	3	0	3	NONE
_____	7SELECT Self-Testing Activities	2	0	2	NONE
_____	NSTP1 National Service Training Program 1	0	9	0	NONE
	TOTAL	22	6	24	
FIRST YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
_____	GEOSOL Analytic Geometry and Solid Mensuration	4	0	4	MATHALG, TRIGO
_____	ENVIRON Environmental Science	3	0	3	GCHEM 1
_____	GCHEM 2 General Chemistry 2	2	0	2	GCHEM 1, GCHEM 1L
_____	GCHEM 2L General Chemistry 2 Laboratory	0	3	1	COREQ: GCHEM2
_____	FUNCOM Computer Fundametnals and Programming Lec	2	0	2	MATHALG
_____	FUNCOM L Computer Fundametnals and Programming Lab	0	3	1	MATHALG, coreq: FUNCOM
_____	5THEO2 Christian Moral Living of Today's Filipino	3	0	3	5THEO1
_____	1SPEECH Speech and Oral Communication	3	0	3	1ENGLISH
_____	5LOGIC Logic	3	0	3	NONE
_____	7RHYACT Fundamental of Rhythmic Activities	2	0	2	7SELECT
_____	NSTP 2 National Service Training Program 2	0	9	3	NSTP 1
	TOTAL	22	6	24	
SECOND YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
_____	DIFFCAL Differential Calculus	4	0	4	GEOSOL
_____	PHYSICS1 Physics 1 Lecture	4	0	4	MATHALG, TRIGO
_____	PHYSICS1 L Physics 1 Laboratory	0	3	1	COREQ: PHYSICS1
_____	1INTLIT Introduction to Literature	3	0	3	NONE
_____	WORKSHOP Workshop Theory & Practice	0	6	2	2ND YR STANDING
_____	3FILKOM Komunikasyon sa Akademikong Filipino	3	0	3	NONE
_____	5THEO3 A Catholic View of Sexuality, Marriage & Family Life	3	0	3	5THEO2
_____	BASCAD Basic Computer-Aided Drafting	0	3	1	ESDRAW
_____	METECH1 ME Technology 1	0	3	1	2ND YR STANDING
_____	7FUNGAM Fundamentals of Games and Sports	2	0	2	7RHYACT
	TOTAL	19	15	24	
SECOND YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
_____	INTECAL Integral Calculus	4	0	4	DIFFCAL
_____	PHYSICS 2 Physcis 2 Lecture	4	0	4	PHYSICS 1, PHYSICS 1L
_____	PHYSICS 2L Physics 2 Laboratory	0	3	1	COREQ: PHYSICS2
_____	APCAD Advanced CAD and Applications	0	3	1	BASCAD
_____	1BUSTECH Business and Technical Writing	3	0	3	1ENGLISH
_____	3FILBAS Pagbasa at pagsulat tungo sa Pananaliksik	3	0	3	3FILKOM
_____	4PHIGOV Politics and Gov't. with Phil. Cons.	3	0	3	4PHILHIS
_____	MCSHOP Machine Shop Theory and Practice	0	6	2	WORKSHOP
_____	METECH2 ME Technology 2	0	3	1	METECH1
_____	7REACT Recreational Activities	2	0	2	7FUNGAM
	TOTAL	19	15	24	
THIRD YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
_____	ENGMECH1 Engineering Mechanics (Statistics)	3	0	3	INTECAL, PHYSICS1,PHYSICS1L
_____	DIFEQNS Differential Equations	3	0	3	INTECAL
_____	THERM1 Thermodynamics 1	4	0	4	PHYSICS2, PHYSICS2L, INTECAL
_____	MACHE1 Machine Elements 1	2	3	3	PHYSICS1/L, APCAD
_____	ESELME Elem. Electrical Engineering	2	0	2	PHYSICS2/L, INTECAL
_____	ESELMEL Elem. Electrical Engineering Laboratory	0	3	1	COREQ: ESELME
_____	5PHILOMAN Philosopy of Man	3	0	3	NONE
_____	4GENPSY General Psychology	3	0	3	NONE
	TOTAL	20	6	22	

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THIRD YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
ADNUMET	Advanced Engg. Math with Numerical Methods	3	0	3	DIFEQNS
PRINECO	Principles of Economics w/ LRT	3	0	3	NONE
ENGMECH2	Engineering Mechanics (Dynamics)	3	0	3	ENGMECH1
MACHE2	Machine Elements II	2	3	3	MACHE1
THERM2	Thermodynamics II	3	0	3	THERM1
HEATRAN	Heat Transfer	3	0	3	THERM1,COREQ: THERM2
MATTEST	Materials of Engineering & Testing	3	0	3	ENGMECH1
MATTESTL	Materials of Engineering & Testing Laboratory	0	3	1	ENGMECH1
	TOTAL	20	6	22	
FOURTH YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
ESFLUID	Fluid Mechanics Lecture	3	0	3	ENGMECH2
ESFLUIDL	Fluid Mechanics Laboratory	0	3	1	ENGMECH2, COREQ: ESFLUID
MELAB1	ME Laboratory 1	0	6	2	THERM2
ESELEC	Basic Electronics	2	0	2	ESELME, ESELMEL
ESELECL	Basic Electronics Laboratory	0	3	1	COREQ:ESELEC
MESTREM	Strength of Materials for ME	3	0	3	ENGMECH2, MATTEST
PROSTAT	Probability and Statistics	3	0	3	INTECAL
ICENGNS	Internal Combustion Engine	3	0	3	THERM1
REFENGG	Refrigeration Engineering	3	0	3	HEATRAN
ESENMGT	Engineering Management	3	0	3	4TH YEAR STANDING
	TOTAL	20	12	24	
FOURTH YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
MCDES1	Machine Design 1	3	3	4	MACHE2, MESTREM
MELAB2	ME Laboratory II	0	6	2	MELAB1, ICENGNS
FLUMACH	Fluid Machinery	3	0	3	ESFLUID,ESFLUIDL
CONTROLS	Instrumentation and Control Engineering	2	3	3	ESELME, ESELMEL
DCACMC	DC & AC Machinery Lecture	3	0	3	ESELMEL/ESELME
DCACMCL	DC & AC Machinery Laboratory	0	3	1	COREQ: DCACMC
4RIZAL	Life and Works of Rizal	3	0	3	NONE
IMERES	Introduction to Methods of Research	3	0	3	PROSTAT
MEOJT	Mechanical Engineering ON-THE-JOB	0	0	3	4TH YEAR STANDING
	Training				
	TOTAL	17	15	25	
FIFTH YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
MECHTRON	Mechatronics	2	3	3	CONTROLS
MELAB3	ME Laboratory III	0	6	2	MELAB2, COREQ: AIRCOND
MCDES2	Machine Design II	3	3	4	MCDES1
AIRCOND	Air-Conditioning Design	2	3	3	HEATRAN, REFENGG
MELAWS	ME Laws, Contracts and Ethics	3	0	3	5TH YEAR STANDING
MEECO	Engineering Economy for ME	3	0	3	PRINECO, 5TH YEAR STANDING
MEELECT1	Elective I	3	0	3	5TH YEAR STANDING
	TOTAL	16	15	21	
FIFTH YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
PWRPLANT	Power Plant Design	4	6	6	MELAB3, FLUMACH
INDUSPL	Industrial Plant Design	3	6	5	COREQ: INPROCS,INSPECT
VIBENGG	Vibration Engineering	2	0	2	MACDESII
INSPECT	Plant Inspection and Seminars	0	3	1	COREQ: INPROCS
INPROCS	Industrial Processes	2	0	2	MECHTRON
MESAFETY	Safety in Mechanical Engineering	2	0	2	5TH YEAR STANDING
METOPICS	Special Topics in Mechanical Engineering	0	6	2	5TH YEAR STANDING
MEELECT2	ME Elective 2	3	0	3	5TH YEAR STANDING
	TOTAL	16	21	23	
ELECTIVES					
ENERUSE	Energy Resources & Uses	3	0	3	5TH YEAR STANDING
INLUBRTC	Industrial Lubrication & Tribology	3	0	3	5TH YEAR STANDING
ADMECHA	Advanced Mechatronics (CIM)	0	0	0	MECHTRON
PWRPOPM	Power Plant Operations & Maintenance	2	3	3	MELAB3
MANTECH	Management of Technology	3	0	3	5TH YEAR STANDING
MEPROJECT	ME Project Study	3	0	3	5TH YEAR STANDING, IMERES

Name: _____ Student No.: _____