



COLLEGE OF ENGINEERING
Bachelor of Science in Civil Engineering
Non-Track Curriculum for AY 2018-2019

Reference: CMO No.92 series of 2017, PSG for the Bachelor of Science in Civil Engineering 2018

FIRST YEAR - First Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
BRG1E	General Chemistry	3	3	4		
BRG2E	Introduction to Calculus	4	3	5		
GEC4	Mathematics in Modern World	3	0	3		
CE 112	Civil Engineering Orientation	2	0	2		
GEC2	Readings in Philippines History	3	0	3		
FILN1	Kontekstwalisadong Komunikasyon sa Filipino	3	0	3		
PEN1	Fitness and Recreational Outdoor Activity	2	0	2		
NSTP 1	National Service Training Program I	3	0	3		
	Sub total	23	6	25		
FIRST YEAR - Second Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
BRG3E	General Physics	5	3	6		
GEC3	Contemporary World	3	0	3		
GEC1	Understanding the Self	3	0	3		
MTN4	Calculus I	3	0	3	BRG2E	
CE 121	Engineering Drawing and Plans	0	3	1		
ECN 1	Computer Fundamentals and Programming	0	6	2		
FILN2	Sosyedad at Literatura/Panitikang Panlipunan	3	0	3	FILN1	
PEN2	Philippine Folk Dances	2	0	2	PEN 1	
NSTP 2	National Service Training Program II	3	0	3		
	Sub total	22	12	26		
FIRST YEAR - Mid Year						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
MTN5	Calculus II	3	0	3	MTN4	
Phys 1a	Physics for Engineers	3	3	4	BRG3E, MTN4	MTN5
	Sub total	6	3	7		
SECOND YEAR - First Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
MTN6	Differential Equations	3	0	3	MTN5	
BES 01	Computer-Aided Drafting	0	3	1	CE 121	
Mech 1	Statics of Rigid Bodies	3	0	3	MTN5, Phys 1a	
CE 214	Fundamentals of Surveying	3	6	5	CE 121	
GEC8	Ethics	3	0	3		
BES 03	Engineering Management	2	0	2		
GEC5	Purposive Communication	3	0	3		
Chem 1a	Chemistry for Engineers	3	3	4	BRG1E	
PEN3	Individual and Dual Sports	2	0	2	PEN 1	
	Sub total	22	12	26		
SECOND YEAR - Second Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
EDA 101	Engineering Data Analysis	3	0	3	MTN5	
GCE 222	Geology for Civil Engineers	2	0	2	Chem 1a	
Mech 2	Dynamics of Rigid Bodies	2	0	2	Mech 1	
Mech 3	Mechanics of Deformable Bodies	4	0	4	Mech 1	
CMT 223	Construction Materials & Testing	2	3	3		Mech 3
GEC6	Art Appreciation	3	0	3		
GEM	Life and Works of Rizal	3	0	3		
GEE7	Gender and Society	3	0	3		
PEN 4	Team Sports	2	0	2	PEN 1	
	Sub total	24	3	25		
SECOND YEAR - Mid Year						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
GEE 13	Environmental Science and Engineering	3	0	3	Chem 1a	
GEC7	Science, Technology and Society	3	0	3		
	Sub total	6	0	6		

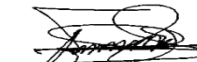
THIRD YEAR - First Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
CE 314	Structural Theory	3	3	4	Mech 3	
HRE 313	Highway and Railroad Engineering	3	0	3	CE 214	
EU 1	Engineering Utilities I	3	0	3	Phys 1a	
EU 2	Engineering Utilities II	3	0	3	Phys 1a	
NS 313	Numerical Solutions to CE Problems	2	3	3	MTN6	
BES 02	Engineering Economics	3	0	3	EDA 101	
ENN 1a	Scientific and Technical Writing for Engineers	3	0	3	GEC5	
FILN3	SineSosyedad/Pelikulang Panlipunan	3	0	3	FILN1	
	Sub total	23	6	25		
THIRD YEAR - Second Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
BES 04	Technopreneurship 101	3	0	3	3rd Year Standing	
BSD 323	Building Systems Design	2	3	3	CE 121	
PSD 323	Principles of Steel Design	2	3	3	CE 314	
PCD 324	Principles of Reinforced/Prestressed Concrete	3	3	4	CE 314	
CE 322	Hydrology	2	0	2	3rd Year Standing	
CE 325	Hydraulics	4	3	5	3rd Year Standing	
LEC 322	CE Laws, Ethics and Contracts	2	0	2	3rd Year Standing	
CER 1	CE Review I	3	0	3	3rd Year Standing	
	Sub total	21	12	25		
THIRD YEAR - Mid Year						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	
		Lec	Lab			
OJT-CE	On-the-Job Training (280 hours)	3	280 hrs	3	4th Year Standing, BSD 323, PSD 323, PCD 324	
	Sub total	3	0	3		
FOURTH YEAR - First Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
GE 414	Geotechnical Engineering I (Soil Mechanics)	3	3	4	GCE 222, Mech 3	
PTE 413	Principles of Transportation Engineering	3	0	3	HRE 313	
CEP 412	CE Project I	1	3	2	4th Year Standing	
PCS 1	Professional Course - Specialized I	3	0	3	4th Year Standing	
PCS 2	Professional Course - Specialized II	3	0	3	4th Year Standing	
TVS 413	Structural Design of Towers and Other Vertical Structures	3	0	3	CE 314	
COSH	Construction Occupational Safety and Health	3	0	3		
CER 2	CE Review II	2	3	3	CER 1	
	Sub total	21	9	24		
FOURTH YEAR - Second Semester						
Course Code	Descriptive Title	Hour/s		Credit/s	Pre-requisite	Co-requisite
		Lec	Lab			
CEP 422	CE Project II	1	3	2	CEP 412	
QS 422	Quantity Surveying	1	3	2	BSD 323	
PCS 3	Professional Course - Specialized III	3	0	3	4th Year Standing	
PCS 4	Professional Course - Specialized IV	3	0	3	4th Year Standing	
PCS 5	Professional Course - Specialized V	3	0	3	4th Year Standing	
CE 423	Construction Methods and Project Management	3	0	3	4th Year Standing	
FRW 423	Foundation and Retaining Wall Design	3	0	3	GE 414	
CER 3	CE Review III	2	3	3	CER 2	
	Sub total	19	9	22		

Total Units = 214

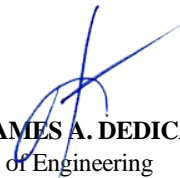
*The nth Year Standing means that the student shall have completed atleast 75% of the load requirements of the previous year level

*Pre-requisite subjects with a grade of INC must be completed first before taking the succeeding subject

Prepared by:


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