

2023 CURRICULUM FOR BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE)

IMPORTANT: REGISTRATION IN ANY COURSE WITHOUT ALL THE PREREQUISITES, CORRECT SEQUENCE AND AUTHORIZED LOAD SHALL NOT BE GIVEN ANY CREDIT REGARDLESS OF THE GRADE OBTAINED. EVALUATION IS TENTATIVE AND MAY BE REVISED FOR SOME VALID CAUSES OR REASONS OR IF OMISSIONS AND/OR LACK OF UNITS CREDITED BE DISCOVERED LATER.

		Student's Name		ature	_						
COURSE CODE		DESCRIPTIVE TITLE	/	E STORE STOR	of all of	PREREQUISITE(S)					
: mo: 12/mg : mo: 02/m2012m (20 0/m10)											
GEC	003	The Contemporary World	3	0	3						
GEC	004	Mathematics in the Modern World	3	0	3						
GEC	007	Science, Technology and Society	3	0	3						
MATH	141	Calculus 1	4	0	4						
MATH	131	Engineering Mathematics	3	0	3						
CE	101	Civil Engineering Orientation	2	0	2						
PE NSTP	001	Physical Activities Toward Health & Fitness 1 (PATHFit 1) National Service Training Program 1	(3)	0	(3)						
INOTE	1001	FIRST YEAR, SECOND				(S)					
MATH	242	Calculus 2	4	0	4	MATH 141 (P), MATH 131 (P)					
PHYS	111	Calculus-Based Physics	3	3	4	MATH 141 (P)					
GEC	008	Ethics	3	0	3						
MATH	022A	Linear Algebra with MATLAB	2	3	3	MATH 141 (P)					
CHM	001	Chemistry for Engineers	3	3	4						
CE	103	Surveying 1	1	3	2	MATH 141 (P)					
CE	102	Civil Engineering Drawing and Plans	0	3	1						
GEE	001B	GE Elective 1 - Gender and Society	3	0	3						
PE	002	Physical Activities Toward Health & Fitness 2 (PATHFit 2)	2	0	2	PE 001 (P)					
NSTP	002	National Service Training Program 2	(3)	0	(3)	NSTP 001 (P)					
		SECOND YEAR, FIRST	SEMEST	ER (27	UNIT						
MATH	021	Differential Equations	3	0	3	MATH 242 (P)					
ME	304	Engineering Economics	3	0	3	2nd Year Standing (P)					
EE	200B	Engineering Utilities 1	3	0	3	PHYS 111 (P)					
ME	201B	Engineering Utilities 2	3	0	3	PHYS 111 (P)					
CE	023	Engineering Data Analysis	3	0	3	MATH 141 (P)					
CE	403A	Civil Engineering Computer Aided Drafting	0	3	1	CE 102 (P)					
CE	201	Statics of Rigid Bodies	3	0	3	MATH 242 (P), PHYS 111 (P)					
CE	203	Surveying 2	2	3	3	CE 103 (P)					
CE	104	Building Systems Design	2	3	3	CE 102 (P)					
PE	003	Physical Activities Toward Health & Fitness 3 (PATHFit 3)	2	0	2	PE 002 (P)					
ICE	316	SECOND YEAR, SECOND Numerical Solutions to CE Problems	SEMES 2	3		MATH 021 (P)					
MATH	024A	Advanced Engineering Mathematics for CE	3	0	3	MATH 021 (P)					
CE	202	Geology for Civil Engineers	3	0	3	CHM 001 (P)					
CE	309	Fluid Mechanics	2	3	3	CE 023 (P), CE 201 (P)					
CE	204	Dynamics of Rigid Bodies	2	0	2	CE 201 (P)					
CE	205	Mechanics of Deformable Bodies	4	0	4	CE 201 (P)					
CE	206	Construction Materials and Testing	2	3	3	CE 023 (P), CE 205 (C)					
CE	207	Quantity Surveying	1	3	2	CE 104 (P)					
PE	004	Physical Activities Toward Health & Fitness 4 (PATHFit 4)	2	0	2	PE 003 (P)					
	-	THIRD YEAR, FIRST S	EMESTE	R (27	UNITS	5)					
GEE	002B	GE Elective 2 - Living in the IT Era	3	0	3	GEE 001B (P)					
GEC	006	Art Appreciation	3	0	3						
CE	308	Hydrology	2	0	2	CE 309 (P)					
CE	319	Hydraulics Engineering	4	3	5	CE 309 (P)					
CE	305	Principles of Earthquake Engineering	3	0	3	CE 315 (C)					
CE	315	Structural Theory	3	3	4	CE 205 (P)					
CE	302	Highway and Railroad Engineering	3	0	3	CE 203 (P)					
CE	304	Geotechnical Engineering 1 THIRD YEAR, SECOND	3 SEMEST	3 ED /26	4 HIMIT	CE 023 (P), CE 202 (P), CE 206 (P)					
CE	443	Specialized Course 1 (CE Track Elective 1)	3	0	3	See track for pre-requisite(s)					
CE	444	Specialized Course 1 (CE Track Elective 1) Specialized Course 2 (CE Track Elective 2)	3	0	3	See track for pre-requisite(s) See track for pre-requisite(s)					
CE	306	Principles of Steel Design	3	3	4	CE 305 (P), CE 315 (P)					
CE	307	Principles of Reinforced Concrete Design	3	3	4	CE 305 (P), CE 315 (P)					
CE	432	Principles of Foundation Design	3	3	4	CE 304 (P), CE 307 (C)					
CE	310	Principles of Transportation Engineering	3	0	3	CE 302 (P)					
CE	314	Methods of Civil Engineering Research	2	3	3	CE 023 (P), CE 305 (P), CE 315 (P), CE 304 (P), CE 319 (P)					
CE	328	Integration Course 1 for CE	1	3	2	CE 315 (P), CE 304 (P), CE 319 (P)					
		THIRD YEAR, SUI	MMER (9	-		1 V P = V P = V V I					
											
GEC	001	Understanding the Self	3	0	l o						
GEC GEC	001	Understanding the Self Readings in Philippine History	3	0	3						

	THE TH	RD YEAR COURSES INCLUDING PE AND NSTP.	1		l	HAS COMPLETED			
OIC ANL	/ IIIE IM	ND TEAN COUNGES INCLUDING PE AND NOTP.			/ 	PREREQUISITE(S)			
				\$ 100 mg	WE/	PREREQUISITE(S)			
OURSE (CODE	DESCRIPTIVE TITLE	,	/ (8 ^x)	300	PREREQUISITE(S)			
				<i>\$</i>		cs)			
		FOURTH YEAR, F	IRST SEMEST	FR (27	/ LINIT	(S)			
CE	445	Specialized Course 3 (CE Track Elective 3)	3	0	3	See track for pre-requisite(s)			
CE	446	Specialized Course 4 (CE Track Elective 4)	3	0	3	See track for pre-requisite(s)			
CE	447	Specialized Course 5 (CE Track Elective 5)	3	0	3	See track for pre-requisite(s)			
CE	448	Prestressed Concrete Design	3	0	3	CE 307 (P), CE 432 (P)			
GEC	005	Purposive Communication	3	0	3	(), == ()			
CE	436	Computer Fundamentals, Programming and Applications in CE		6	2				
CE	434	Construction Methods and Project Management	2	3	3	CE 207 (P)			
CE	431	CE Laws, Ethics and Contracts	2	0	2	4th Year Standing (P)			
CE	465	Integration Course 2 for CE	1	3	2	CE 328 (P), 4th Year Standing (P)			
CE	435	CE Design Project 1	2	3	3	CE 306 (P), CE 307 (P), CE 448 (C), CE 432 (P)			
FOURTH YEAR, SECOND SEMESTER (16 UNITS)									
CE	441	CE Design Project 2	1	6	3	CE 435 (P), Graduating (P)			
GEE	005A	GE Elective 3 - Environmental Science and Engineerin		0	3	GEE 002B (P)			
IE	101	Engineering Management	2	0	2				
TECH	101A	Technology Entrepreneurship	3	0	3	Graduating (P)			
CE	400A	On-the-Job Training for CE (240 Hrs.)	3	240	3	4th Year Standing (P)			
CE	475	Integration Course 3 for CE	1	3	2	CE 465 (P), CE 435 (P), Graduating (P)			
Free	N/E 00:::	2050							
	IVE COUL		DELOW AND	NOT :	A TD 1	ON ELECTIVE IS CHOSEN			
		NT MAY CHOOSE ANY OF THE TRACK ELECTIVES RSES IN THE TRACK MUST BE TAKEN.	BELOW AND	JNCE A	4 IKA	CK ELECTIVE IS CHOSEN,			
		gineering and Management							
CEM	301	Project Construction and Management	3	0	3	CE 206 (P), CE 207 (P), CEM 302 (C)			
CEM	302	Advanced Construction Methods and Equipment	3	0		CE 206 (P), CE 207 (P), CEM 302 (C)			
CEM	303	Construction Cost Engineering	3	0		CE 434 (C), CEM 301 (P), CEM 302 (P)			
CEM	304	Construction Occupational Safety and Health (COSH)	3	0	3	CE 434 (C), CEM 301 (F), CEM 302 (F)			
CEM	305	Database Management in Construction	3	0	3	CE 434 (C), CEM 301 (P), CEM 302 (P)			
		d Gei-Environmental Engineering				OL 404 (0), OLIN 001 (1), OLIN 002 (1)			
GTECH		Geotechnical Engineering 2 (Rock Mechanics)	3	0	3	CE 304 (P), GTECH 302 (C)			
GTECH		Geotechnical Earthquake Engineering	3	0	3	CE 304(P), GTECH 301 (C)			
GTECH		Advanced Foundation Engineering	3	0	3	CE 432 (P), GTECH 301 (P), GTECH 302 (P)			
GTECH		Ground Improvement	3	0	3	CE 432 (P), GTECH 301 (P), GTECH 302 (P)			
GTECH	1 305	Computer Applicationa in Geotechnical Engineering	3	0	3	CE 432 (P), GTECH 301 (P), GTECH 302 (P)			
Transp	ortation E	ngineering			•				
TREN	301	Transportation System Planning and Design	3	0	3	CE 302 (P), TREN 302 (C)			
TREN	302	Highway Engineering	3	0	3	CE 302 (P), TREN 301 (C)			
TREN	303	Airport Design	3	0	3	CE 310 (P), TREN 301 (P), TREN 302 (P)			
TREN	304	Ports and Harbors	3	0	3	CE 310 (P), TREN 301 (P), TREN 302 (P)			
TREN	305	Computer Applications in Transportation Engineering	3	0	3	CE 310 (P), TREN 301 (P), TREN 302 (P)			
		Engineering (WRE)				1			
WRE	301	Water Resources Engineering	3	0	_	CE 308(P), CE 319 (P), WRE 302 (C)			
WRE	302	Water Supply Planning and Development	3	0	3	CE 308 (P), CE 319 (P), WRE 301 (C)			
WRE	303	Flood Control and Drainage Engineering	3	0	3	WRE 301 (P), WRE 302 (P)			
WRE	304	Coastal Engineering	3	0	3	WRE 301 (P), WRE 302 (P)			
WRE	305 y Enginee	Irrigation Engineering	3	0	3	WRE 301(P), WRE 302 (P)			
RWE	001	Introduction to Railway System and Engineering	3	0	3	CE 302 (P), RWE 002 (C)			
RWE	001	Railway Management and Governance	3	0	3	CE 302 (P), RWE 002 (C)			
RWE	002	Railway Operations	3	0	3	CE 310 (P), RWE 001 (C)			
RWE	003	Advanced Topic on Railway Engineering	3	0	3	CE 310 (P), RWE 001 (P), RWE 002 (P)			
RWE	005	Maintenance of Building Facilities and Track System	3	0	3	CE 310 (P), RWE 001 (P), RWE 002 (P)			
	ıral Engin	, , ,		<u> </u>	<u> </u>	v p v p v p			
STE	001	Computer Applications in Structural Engineering	2	3	3	CE 307 (C), CE 432 (C), CE 306 (C), STE 002 (C)			
STE	002	Structural Design of Buildings, Towers and other Struct		3	3	CE 307 (C), CE 432 (C), CE 306 (C), STE 001 (C)			
STE	003	Bridge Engineering	2	3	3	CE 448 (C), STE 001 (P), STE 002 (P)			
		Advanced Design of Concrete Members				1			
STE	004	(Reinforced/Precast/Masonry	3	0	3	CE 307 (P), CE 432 (P), STE 001 (P), STE 002 (P)			
				0	2	CE 206 (D) CE 422 (D) CTE 004 (D) CTE 000 (D)			
STE	005	Advanced Design of Steel Members (Structural/Cold-Fe	formed) 3	0	3	CE 306 (P), CE 432 (P), STE 001 (P), STE 002 (P)			
Quanti	ty Survey								
CEM	301A	Project Construction and Management	3	0	3	CE 206 (P), CE 207 (P), QS 001 (C)			
QS	001	Design Economics and Cost Planning	2	3	3	CE 206 (P), CE 207 (P), CEM 301A (C)			
	002	Quantification and Costing of Works with Digital Measurement		3	3	CE 434 (C), QS 001 (P)			
QS						10= (0) (0) 00 001 (0)			
QS QS	003	Procurement and Tendering in Construction	3	0	3	CE 434 (C), QS 001 (P) CE 434 (C), QS 001 (P)			

CREDENTIALS SUBMITTED:	DEFICIENCY/IES	Evaluated by: Date:
() F138 () PSA Birth Certificate () GMC () Transfer Credential () F137A () TOR		Received by: Date: