

UNIVERSITY OF LUZON
Perez Blvd. Dagupan City

COLLEGE OF ENGINEERING and ARCHITECTURE
Bachelor of Science in Civil Engineering
Curriculum Year **2012 - 2013**

First Year

First Semester

SUBJECT CODE	SUBJECT NAME/DESCRIPTION	HOURS		UNITS		Pre-Requisite
		LEC.	LAB.	LEC.	LAB.	
CHEM 111	GENERAL CHEMISTRY (LEC)	3.0	0.0	3.0	0.0	
CHEM 111L	GENERAL CHEMISTRY (LAB)	0.0	3.0	0.0	1.0	
DRAW 111A	ENGINEERING DRAWING 1	0.0	3.0	0.0	1.0	
ENG 11	COMMUNICATION ARTS 1	3.0	0.0	3.0	0.0	
FIL 11	KOMUNIKASYON SA AKADEMIKONG FILIPINO	3.0	0.0	3.0	0.0	
MTH 111	COLLEGE ALGEBRA	5.0	0.0	5.0	0.0	
MTH 112	PLANE AND SPHERICAL TRIGONOMETRY	3.0	0.0	3.0	0.0	
PE 11	PHYSICAL FITNESS AND GYMNASTICS	2.0	0.0	2.0	0.0	
SOC 13	CONTEMPORARY SOCIAL PROBLEMS AND CURRENT ISSUES	3.0	0.0	3.0	0.0	
TOTAL		22	6	22.0	2.0	
TOTAL ACADEMIC UNIT(S): 24.0						

Second Semester

CSC 121A	COMPUTER FUNDAMENTALS	2.0	3.0	2.0	1.0	
ENG 12	COMMUNICATION ARTS 2	3.0	0.0	3.0	0.0	ENG 11
FIL 12	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	3.0	0.0	3.0	0.0	FIL 11
HUM 11	ART APPRECIATION	3.0	0.0	3.0	0.0	
MTH 121A	ADVANCED ALGEBRA	2.0	0.0	2.0	0.0	MTH 112
MTH 122	ANALYTIC GEOMETRY	3.0	0.0	3.0	0.0	
MTH 123	SOLID MENSURATION	2.0	0.0	2.0	0.0	MTH 112
PE 12	RHYTHMIC ACTIVITIES	2.0	0.0	2.0	0.0	PE 11
PSC 12	PHILIPPINE GOVERNMENT AND NEW CONSTITUTION	3.0	0.0	3.0	0.0	
TOTAL		23	3	23.0	1.0	
TOTAL ACADEMIC UNIT(S): 24.0						

Second Year

First Semester

BD 11	BUILDING DESIGN 1	1.0	3.0	1.0	1.0	
CSC 211A	COMPUTER PROGRAMMING	2.0	3.0	2.0	1.0	
ENG 16	TECHNICAL WRITING	3.0	0.0	3.0	0.0	ENG 12
MTH 211A	DIFFERENTIAL CALCULUS	4.0	0.0	4.0	0.0	MTH 123, MTH 122
NSTP 11	NATIONAL SERVICE TRAINING PROGRAM 1	3.0	0.0	3.0	0.0	
PE 13	INDIVIDUAL AND DUAL SPORTS/GAMES	2.0	0.0	2.0	0.0	PE 12
PHI 13	LOGIC	3.0	0.0	3.0	0.0	
PHY 211	COLLEGE PHYSICS 1	3.0	0.0	3.0	0.0	MTH 112, MTH 123
PHY 211L	COLLEGE PHYSICS 1 (LABORATORY)	0.0	3.0	0.0	1.0	MTH 112, MTH 111
TOTAL		21	9	21.0	3.0	

TOTAL ACADEMIC UNIT(S): 24.0**Second Semester**

BD 12	BUILDING DESIGN 2	1.0	3.0	1.0	1.0	
CSC 221A	COMPUTER AIDED-DRAFTING	1.0	3.0	1.0	1.0	
HST 11	PHILIPPINE HISTORY	3.0	0.0	3.0	0.0	
MTH 221A	INTEGRAL CALCULUS	4.0	0.0	4.0	0.0	
MTH 222A	PROBABILITY AND STATISTICS	3.0	0.0	3.0	0.0	2nd Yr
NSTP 12	NATIONAL SERVICE TRAINING PROGRAM 2	3.0	0.0	3.0	0.0	NSTP 11
PE 14	TEAM SPORTS	2.0	0.0	2.0	0.0	PE 13
PHY 221	COLLEGE PHYSICS 2	3.0	0.0	3.0	0.0	PHY 211
PHY 221L	COLLEGE PHYSICS 2 (LABORATORY)	0.0	3.0	0.0	1.0	PHY 211L
TOTAL		20	9	20.0	3.0	

TOTAL ACADEMIC UNIT(S): 23.0**Third Year****First Semester**

CE 311	ELEMENTARY SURVEYING	2.0	0.0	2.0	0.0	MTH 111, MTH 112
CE 311F	ELEMENTARY SURVEYING FIELD	0.0	6.0	0.0	2.0	MTH 112, MTH 111
CE 312	SAFETY MANAGEMENT	1.0	0.0	1.0	0.0	
ECO 311	ENGINEERING ECONOMY	3.0	0.0	3.0	0.0	3rd Yr
EE-310A	BASIC OF ELECTRICAL ENGINEERING	3.0	0.0	3.0	0.0	
ENG 15	PHILIPPINE LITERATURE	3.0	0.0	3.0	0.0	
MECH 311A	STATIC OF RIGID BODIES	3.0	0.0	3.0	0.0	PHY 211
MTH 311	DIFFERENTIAL EQUATIONS	3.0	0.0	3.0	0.0	MTH 221A
PSY 11	GENERAL PSYCHOLOGY WITH DRUG EDUCATION	3.0	0.0	3.0	0.0	
TOTAL		21	6	21.0	2.0	

TOTAL ACADEMIC UNIT(S): 23.0

Second Semester

CE 321	HIGHER SURVEYING	2.0	0.0	2.0	0.0	CE 311
CE 321F	HIGHER SURVEYING FIELD	0.0	6.0	0.0	2.0	CE 311F
CE 322L	CONSTRUCTION MATERIALS AND TESTING	2.0	3.0	2.0	1.0	
ENG 22	SPEECH AND ORAL COMMUNICATION	3.0	0.0	3.0	0.0	ENG 16
ME 320	ELEMENTS OF MECHANICAL ENGINEERING	3.0	0.0	3.0	0.0	PHY 221
MECH 321A	DYNAMICS OF RIGID BODIES	2.0	0.0	2.0	0.0	
MECH 322A	MECHANICS OF DEFORMABLE BODIES	5.0	0.0	5.0	0.0	
MTH 321	ADVANCED ENGINEERING MATHEMATICS	3.0	0.0	3.0	0.0	MTH 311
TOTAL		20	9	20.0	3.0	

TOTAL ACADEMIC UNIT(S): 23.0**Fourth Year****First Semester**

CE 411F	ENGINEERING SURVEYS 1	1.0	3.0	1.0	1.0	
CE 412A	GEOTECHNICAL ENGINEERING	3.0	0.0	3.0	0.0	
CE 413A	STRUCTURAL THEORY 1	2.0	0.0	2.0	0.0	
CE 413AD	STRUCTURAL THEORY 1 DRAFTING	0.0	3.0	0.0	1.0	
CE 414	CE LAWS, CONTRACTS AND ETHICS	3.0	0.0	3.0	0.0	
CE 416	ENVIRONMENTAL ENGINEERING	2.0	0.0	2.0	0.0	
MECH 411	FLUID MECHANICS	3.0	0.0	3.0	0.0	
MECH 411L	FLUID MECHANICS LAB	0.0	3.0	0.0	1.0	
MGT 415	ENGINEERING MANAGEMENT	3.0	0.0	3.0	0.0	ECO 311
SOC 14	LIFE AND WORKS OF RIZAL	3.0	0.0	3.0	0.0	
TOTAL		20	9	20.0	3.0	

TOTAL ACADEMIC UNIT(S): 23.0**Second Semester**

CE 421F	ENGINEERING SURVEYS 2	1.0	3.0	1.0	1.0	
CE 423A	STRUCTURAL THEORY 2	2.0	0.0	2.0	0.0	
CE 423DRAFT	STRUCTURAL THEORY 2 DRAFTING	0.0	3.0	0.0	1.0	
CE 424	HYDROLOGY	3.0	0.0	3.0	0.0	MECH 411
CE 425	TIMBER STRUCTURAL DESIGN	2.0	0.0	2.0	0.0	
CE 425D	TIMBER STRUCTURAL DESIGN DRAFTING	0.0	3.0	0.0	1.0	
CE 426	HYDRAULICS	3.0	0.0	3.0	0.0	MECH 411
CE 426L	HYDRAULICS LABORATORY	0.0	3.0	0.0	1.0	
CE 427A	HIGHWAY ENGINEERING	3.0	0.0	3.0	0.0	
TECH ELEC 1	EARTHQUAKE ENGINEERING	3.0	0.0	3.0	0.0	

TOTAL 17 12 17.0 4.0**TOTAL ACADEMIC UNIT(S): 21.0****Fifth Year****First Semester**

CE 500	INTEGRATED CIVIL ENGINEERING COURSE	5.0	0.0	5.0	0.0	5th Yr
CE 511	REINFORCED CONCRETE DESIGN 1	3.0	0.0	3.0	0.0	
CE 511D	REINFORCED CONCRETE DESIGN 1 DRAFTING	0.0	3.0	0.0	1.0	
CE 512	STEEL STRUCTURAL DESIGN	3.0	0.0	3.0	0.0	
CE 512D	STEEL STRUCTURAL DESIGN DRAFTING	0.0	3.0	0.0	1.0	
CE 513A	WATER SUPPLY WITH WATER TREATMENT AND SEWERAGES	3.0	0.0	3.0	0.0	
CE 514	IRRIGATION	3.0	0.0	3.0	0.0	CE 426
CE 515A	TRANSPORTATION ENGINEERING	3.0	0.0	3.0	0.0	
CE 516	FIELD TRIPS AND SEMINARS	0.0	3.0	0.0	1.0	5th Yr
TECH ELEC 2	SPECIAL TOPICS IN STRUCTURAL ENGINEERING	3.0	0.0	3.0	0.0	

TOTAL 23 9 23.0 3.0**TOTAL ACADEMIC UNIT(S): 26.0****Second Semester**

CE 521	REINFORCED CONCRETE STRUCTURAL DESIGN 2	3.0	0.0	3.0	0.0	CE 511
CE 521D	REINFORCED CONCRETE STRUCTURAL DESIGN 2 DRAFTING	0.0	3.0	0.0	1.0	CE 511D
CE 522	GEOTECHNICAL ENGINEERING (FOUNDATION ANALYSIS AND DESIGN)	3.0	0.0	3.0	0.0	CE 511
CE 524	CONSTRUCTION PROJECT MANAGEMENT	2.0	0.0	2.0	0.0	CE 521
CE 524D	CONSTRUCTION PROJECT MANAGEMENT DRAFTING	0.0	3.0	0.0	1.0	CE 521D
CE 525	CE PROJECT STUDY WITH PLANNING AND ESTIMATING	1.0	0.0	1.0	0.0	CE 521
CE 525ED	CE PROJECT STUDY WITH PLANNING AND ESTIMATING DRAFTING	0.0	3.0	0.0	1.0	
CE 527	ON-THE-JOB-TRAINING	0.0	6.0	0.0	2.0	5th Yr
CE 528	CONSTRUCTION PROJECT ESTIMATES	2.0	0.0	2.0	0.0	
TECH ELEC 3	PRESTRESSED PROJECT ESTIMATES	3.0	0.0	3.0	0.0	
TECH ELEC 4	BRIDGE ENGINEERING	3.0	0.0	3.0	0.0	

TOTAL 17 15 17.0 5.0**TOTAL ACADEMIC UNIT(S): 22.0****Total academic units for course Bachelor of Science in Civil Engineering: 233.0 ,Lecture Unit = 204.0, Lab Unit=29.0**