



Republic of the Philippines
MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY
 Lapasan, Cagayan De Oro City

COLLEGE OF ENGINEERING & ARCHITECTURE

B.S. in Civil Engineering
Major in Civil Engineering
BSCE SY 2008-2009

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T			PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
1ST YEAR - 1ST SEMESTER								
MATH13	College Algebra	0.0	3.0	0.0	3.0	3.0		
MATH17a	Plane & Spherical Trigonometry	0.0	3.0	0.0	3.0	3.0		
CHEM10a	General Chemistry 1	3.0	3.0	1.0	3.0	4.0		
ENGL11	Study & Thinking Skills	0.0	3.0	0.0	3.0	3.0		
SS10a	New Constitution	0.0	3.0	0.0	3.0	3.0		
PD10	Essence of Personality	0.0	1.0	0.0	1.0	1.0		
NSTP10	ROTC/CWTS/LTS 1	0.0	3.0	0.0	3.0	3.0		
DRWG20	Engineering Drawing 1	3.0	0.0	1.0	0.0	1.0		
		6.0	19.0	2.0	19.0	21.0		
1ST YEAR - 2ND SEMESTER								
MATH14	Advanced Algebra	0.0	2.0	0.0	2.0	2.0	MATH13	
MATH19	Solid Mensuration	0.0	2.0	0.0	2.0	2.0	MATH13, MATH17a	
MATH30	Analytic Geometry	0.0	2.0	0.0	2.0	2.0	MATH13, MATH17a	
ENGL20	Writing Across Disciplines	0.0	3.0	0.0	3.0	3.0	ENGL11	
SS20a	Rizal's Life, Works & Writings	0.0	3.0	0.0	3.0	3.0		
SS30	General Economics, Taxation & Agrarian Reform	0.0	3.0	0.0	3.0	3.0		
DRWG30	Engineering Drawing 2	3.0	0.0	1.0	0.0	1.0	DRWG20	
PD20	Social Graces & Social Relations	0.0	1.0	0.0	1.0	1.0	PD10	
NSTP20	ROTC/CWTS/LTS 2	0.0	3.0	0.0	3.0	3.0	NSTP10	
		3.0	19.0	1.0	19.0	20.0		
2ND YEAR - 1ST SEMESTER								
CE20a	Plane Surveying	6.0	2.0	2.0	2.0	4.0	MATH13, MATH17a	
MATH32	Differential Calculus	0.0	5.0	0.0	5.0	5.0	MATH14, MATH19, MATH30	
PHYS10a	General Physics 1	3.0	3.0	1.0	3.0	4.0	MATH13, MATH17a	
ENGL30	Speech & Oral Communication	0.0	3.0	0.0	3.0	3.0		
HUM11b	Logic & Ethics	0.0	3.0	0.0	3.0	3.0		
CADD10	Basic CADD	3.0	0.0	1.0	0.0	1.0	DRWG30	
		12.0	16.0	4.0	16.0	20.0		
2ND YEAR - 2ND SEMESTER								
ES30	Environmental Engineering	0.0	2.0	0.0	2.0	2.0	CHEM10a	
MATH34a	Integral Calculus	0.0	5.0	0.0	5.0	5.0	MATH32	
PHYS11a	General Physics 2	3.0	3.0	1.0	3.0	4.0	PHYS10a	
ENGL40	Technical Writing & Reporting	0.0	3.0	0.0	3.0	3.0	ENGL20	
CE21	Higher Surveying	6.0	2.0	2.0	2.0	4.0	MATH19, MATH30, CE20a	
CADD20a	Advanced CADD	3.0	0.0	1.0	0.0	1.0	CADD10	
		12.0	15.0	4.0	15.0	19.0		
3RD YEAR - 1ST SEMESTER								
CE22	Route Surveying & Earthworks	6.0	2.0	2.0	2.0	4.0	CE21	
CE30	Engineering Geology	0.0	3.0	0.0	3.0	3.0	CHEM10a	
ES10b	Statics of Rigid Bodies	0.0	3.0	0.0	3.0	3.0	PHYS10a, MATH34a	
ES40	Engineering Economy	0.0	3.0	0.0	3.0	3.0		
MATH36	Probability & Statistics	0.0	3.0	0.0	3.0	3.0	MATH34a	
MATH38	Differential Equations	0.0	3.0	0.0	3.0	3.0	MATH34a	
PSYC20	Applied Psychology	0.0	3.0	0.0	3.0	3.0		
		6.0	20.0	2.0	20.0	22.0		

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T			PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
<u>3RD YEAR - 2ND SEMESTER</u>								
CE24	Highway & Traffic Engineering	0.0	3.0	0.0	3.0	3.0		
COE13	Introduction to Computer Programming	3.0	2.0	1.0	2.0	3.0	MATH13	
EE15	Elements of Electrical Engineering	0.0	3.0	0.0	3.0	3.0	PHYS11a	
ME24	Basic Mechanical Engineering	0.0	3.0	0.0	3.0	3.0	PHYS10a	
ES11	Dynamics of Rigid Bodies	0.0	2.0	0.0	2.0	2.0	ES10b	
ES12	Strength of Materials	0.0	3.0	0.0	3.0	3.0	ES10b	
MATH60	Advanced Engineering Mathematics	0.0	3.0	0.0	3.0	3.0	MATH38	
ENGL54	Culture, Arts & Literature	0.0	3.0	0.0	3.0	3.0		
		3.0	22.0	1.0	22.0	23.0		
<u>4TH YEAR - 1ST SEMESTER</u>								
CE23	Construction Materials & Testing	3.0	2.0	1.0	2.0	3.0		
CE31	Soil Mechanics	3.0	3.0	1.0	3.0	4.0	CE30	
CE50	Hydraulics	3.0	3.0	1.0	3.0	4.0	ES12	
CE60a	Theory of Structures 1	3.0	3.0	1.0	3.0	4.0	ES12	
ES50	Safety Management	0.0	1.0	0.0	1.0	1.0		
ES70	Engineering Management	0.0	3.0	0.0	3.0	3.0		
MATH41	Numerical Methods & Analysis	0.0	2.0	0.0	2.0	2.0	COE13, MATH60	
		12.0	17.0	4.0	17.0	21.0		
<u>4TH YEAR - 2ND SEMESTER</u>								
CE51	Engineering Hydrology	3.0	2.0	1.0	2.0	3.0	CE50	
CE52	Waterfront Structures & Bridges	0.0	3.0	0.0	3.0	3.0		
CE61a	Theory of Structures 2	3.0	3.0	1.0	3.0	4.0	CE60a	
CE62	Pavement Analysis & Design	0.0	3.0	0.0	3.0	3.0		
CE70	Construction Planning & Estimates	3.0	2.0	1.0	2.0	3.0		
CE75	Construction Methods & Project Management	0.0	3.0	0.0	3.0	3.0	ES70	
ES60	Engineering Research Methods	0.0	3.0	0.0	3.0	3.0	ENGL40, MATH36	
		9.0	19.0	3.0	19.0	22.0		
<u>4TH YEAR - SUMMER</u>								
OJT10	On the Job Training	240.C	0.0	0.0	4.0	4.0		
		240.C	0.0	0.0	4.0	4.0		
<u>5TH YEAR - 1ST SEMESTER</u>								
CE55	Water Resources Engineering	0.0	3.0	0.0	3.0	3.0	CE50	
CE63	Foundation Engineering	3.0	3.0	1.0	3.0	4.0	CE61a	
CE64	Earthquake Engineering & Plastic Design	0.0	3.0	0.0	3.0	3.0	CE61a	
CE66a	Reinforced Concrete Design 1	3.0	3.0	1.0	3.0	4.0	CE61a	
CE78	Urban Planning & Land Development	0.0	3.0	0.0	3.0	3.0		
CE 80	Inspection, Trips & Seminars	3.0	0.0	1.0	0.0	1.0		
CE90	Special Problems in CE: Research 1	6.0	1.0	2.0	1.0	3.0		
		15.0	16.0	5.0	16.0	21.0		
<u>5TH YEAR - 2ND SEMESTER</u>								
CE25	Transportation Engineering	0.0	2.0	0.0	2.0	2.0	CE24	
CE57	Water Supply & Sewerage	0.0	3.0	0.0	3.0	3.0	CE50	
CE65b	Steel & Timber Design	3.0	3.0	1.0	3.0	4.0	CE61a	
CE67	Reinforced Concrete Design 2	3.0	3.0	1.0	3.0	4.0	CE66a	
CE 95	CE Laws, Contracts & Specifications	0.0	3.0	0.0	3.0	3.0		
CE91	Special Problems in CE 2 (Research 2)	6.0	1.0	2.0	1.0	3.0	CE90	
		12.0	15.0	4.0	15.0	19.0		