



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

COLLEGE OF ENGINEERING & ARCHITECTURE

B.S. in Civil Engineering
 effective 2015-2016

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T		PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC		
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 and 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	
DRWG20	Engineering Drawing 1	3.0	0.0	1.0	0.0	1.0	
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	
		<u>6.0</u>	<u>19.0</u>	<u>2.0</u>	<u>19.0</u>	<u>21.0</u>	
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
CE 10a	Introduction to CE	3.0	0.0	1.0	0.0	1.0	
		<u>6.0</u>	<u>19.0</u>	<u>2.0</u>	<u>19.0</u>	<u>21.0</u>	
2ND YEAR - 1ST SEMESTER							
CE20a	Plane Surveying	6.0	2.0	2.0	2.0	4.0	MATH13, MATH17a, CE 10a
MATH32	Differential Calculus	0.0	5.0	0.0	5.0	5.0	MATH14, MATH19, MATH30
PHYS10a	General Physics 1 - Mechanics and Heat	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
		<u>12.0</u>	<u>16.0</u>	<u>4.0</u>	<u>16.0</u>	<u>20.0</u>	
2ND YEAR - 2ND SEMESTER							
CE21	Higher Surveying	6.0	2.0	2.0	2.0	4.0	MATH19, MATH30, CE20a
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 - Electricity and Magnetism	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
CADD20a	Advanced CADD	3.0	0.0	1.0	0.0	1.0	CADD10
		<u>12.0</u>	<u>15.0</u>	<u>4.0</u>	<u>15.0</u>	<u>19.0</u>	
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	
		<u>6.0</u>	<u>20.0</u>	<u>2.0</u>	<u>20.0</u>	<u>22.0</u>	

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T			PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
3RD YEAR - 2ND SEMESTER								
CE24	Highway & Traffic Engineering	0.0	3.0	0.0	3.0	3.0	CE22	
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		
		<u>3.0</u>	<u>22.0</u>	<u>1.0</u>	<u>22.0</u>	<u>23.0</u>		
4TH YEAR - 1ST SEMESTER								
CE23	Construction Materials & Testing	3.0	2.0	1.0	2.0	3.0	ES12	
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	
		<u>12.0</u>	<u>17.0</u>	<u>4.0</u>	<u>17.0</u>	<u>21.0</u>		
4TH YEAR - 2ND SEMESTER								
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	CE24	
CE70	Construction Planning & Estimates	3.0	2.0	1.0	2.0	3.0	ES70	
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	
ES80	Technopreneurship	3.0	2.0	1.0	2.0	3.0		
		<u>12.0</u>	<u>21.0</u>	<u>4.0</u>	<u>21.0</u>	<u>25.0</u>		
4TH YEAR - SUMMER								
OJT10	On the Job Training	240.	0.0	0.0	4.0	4.0		
		<u>240.</u>	<u>0.0</u>	<u>0.0</u>	<u>4.0</u>	<u>4.0</u>		
5TH YEAR - 1ST SEMESTER								
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	CE61a, ES60, ES80	
		<u>15.0</u>	<u>16.0</u>	<u>5.0</u>	<u>16.0</u>	<u>21.0</u>		
5TH YEAR - 2ND SEMESTER								
CE25	Transportation Engineering	0.0	2.0	0.0	2.0	2.0	CE62	
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	
CE91	Special Problems in CE 2 (Research 2)	6.0	1.0	2.0	1.0	3.0	CE90	
CE 95	CE Laws, Contracts & Specifications	0.0	3.0	0.0	3.0	3.0		
		<u>12.0</u>	<u>15.0</u>	<u>4.0</u>	<u>15.0</u>	<u>19.0</u>		