


AMOU UNIVERSITY
“A Vehicle for Peace and Development”
AMOU UNIVERSITY



FACULTY OF ENGINEERING

BACHELOR OF SCIENCE IN CIVIL ENGINEERING
ACADEMIC YEAR 2015/ 2016

COURSE DESCRIPTION

	Reinforced Concrete II		
Contact Hours			
Pre-requisite	N/A		
Purpose/Aim	This course is designed to introduce students to the design of reinforced concrete components such as slabs and columns		
Course Objective (Indicative Learning Outcomes)	Students will be able to: <ul style="list-style-type: none"> • Continuous beams, • Two way slabs, • Flat slabs, • Rotation capacity, plastic moment redistribution • Torsion – truss model • Two way slab systems- two way slab beam supported slabs, flat slabs. • Short column – combined axial force and bending, interaction diagrams, biaxial bending. • Design aids. • Slender columns. 		
Course Content			
Learning & Teaching Methodologies	Lectures, tutorials and computer laboratory exercises		
Instructional Materials/Equipment	Classroom with audio visual aids Computer laboratory		
Course Assessment	Type		Weighting (%)
	Final Examination		60
	Mid Term Examination		20
	Assignment		10
	Attendance		10
	Total		100
Recommended Reading	Title	Author	Publisher
Additional Reading			
Other Support Material	A variety of multimedia systems and electronic information resources as prescribed by the lecturer.		



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Various application manuals, URL search and journals.
