


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

CENG 412	Highway Engineering		
Contact Hours	3		
Pre-requisite	N/A		
Purpose/Aim	Students will develop and apply concepts of geometric design for rural and urban highways		
Course Objective (Indicative Learning Outcomes)	Students will demonstrate ability to design and evaluate various types of rural and urban highways <ul style="list-style-type: none"> • Knowledge of geometric design of highways and streets. • Knowledge of criteria for determining final highway alignment. • Knowledge of interchange design. 		
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. Various application manuals, URL search and journals.		