

  
**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**

<b>CEN 281</b>	<b>Construction Materials</b>		
Contact Hours			
Pre-requisite	N/A		
Purpose/Aim	The subject is designed to introduce the properties and use of the more common materials in modern construction practice.		
Course Objective (Indicative Learning Outcomes)	<p>On successful completion of this subject students should be able to:</p> <ul style="list-style-type: none"> <li>• describe engineering properties of concrete, steel and other materials related to their use in construction;</li> <li>• assess the significance of environmental factors on the behavior and durability of concrete and steel;</li> <li>• formulate engineering solutions to problems associated with the use of concrete, steel and other materials;</li> <li>• Prepare reports on practical exercises relevant to the manufacture and properties of concrete.</li> <li>• Understand the basics of framed and dome structures.</li> </ul>		
Course Content			
Learning & Teaching Methodologies	Lectures, tutorials and computer laboratory exercises		
Instructional Materials/Equipment	Classroom with audio visual aids Computer laboratory		
Course Assessment	<b>Type</b>	<b>Weighting (%)</b>	
	Final Examination	60	
	Mid Term Examination	20	
	Assignment	10	
	Attendance	10	
	Total	100	
Recommended Reading	<b>Title</b>	<b>Author</b>	<b>Publisher</b>
Additional Reading			
Other Support	A variety of multimedia systems and electronic information resources as		



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Material	prescribed by the lecturer. Various application manuals, URL search and journals.
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