

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



**FACULTY OF COMPUTING AND ICT**

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY PROGRAMME**

**ACADEMIC YEAR 2015/ 2016**

**COURSE DESCRIPTION**

<b>BIT 226</b>	<b>Internet Applications(Content Management Systems)</b>
Contact Hours	52
Pre-requisite	N/A
Purpose/Aim	This course helps the learner appreciate the technology behind the Internet and helps the learner create her own simple web pages.
Course Objective (Indicative Learning Outcomes)	<ul style="list-style-type: none"> <li>• The learner can describe the technology that supports the Internet</li> <li>• The learner can implement a simple home page</li> </ul>
Course Content	<ul style="list-style-type: none"> <li>• History of the Internet</li> <li>• World-wide Internet backbone</li> <li>• Accessing the Internet</li> <li>• Internet Protocols</li> <li>• Internet addressing and domain names</li> <li>• Internet service providers</li> <li>• TCP/IP software</li> <li>• Web browsers</li> <li>• Searching and downloading information</li> <li>• Communication: Chat, newsgroups and video-conferencing</li> <li>• Introduction to Joomla, Wordpress, Drupal, Moodle</li> <li>• Developing a simple home page using any Content Management System.</li> </ul> <p><b>Lab 1</b> Investigation of Internet domains. Given an Domain name, student should be able to classify and predict probable information found on the site</p> <p><b>Lab 2</b> Accessing the Internet, searching for particular topics</p> <p><b>Lab 3</b> Survey of Internet IP addresses and their classes including Ipv6 and Internet addressing and domain names</p> <p><b>Lab 4</b></p>



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	<p>Investigation Internet service providers in the country and the procedure of connecting to the Internet as well as requirement for Internet connection e.g. Modem, the TCP/IP software, etc.</p> <p><b>Lab 5</b>          Investigating commonly used Web browsers and their interfaces e.g. internet explorer, Netscape navigator, firefox, etc.</p> <p><b>Lab 6</b>          Communication: Chatting, joining a chat group newsgroups and video-conferencing</p> <p><b>Lab 7</b>          Introduction to HTML, design of simple web pages. Developing a simple home page</p>		
Learning & Teaching Methodologies	Lectures, tutorials and computer laboratory exercises		
Instructional Materials/Equipment	Classroom with audio visual aids Computer laboratory Internet access Web browser		
Course Assessment	<b>Type</b>		<b>Weighting (%)</b>
	Final Examination		60
	Mid Term Examinations		20
	Continuous Assessment(Assignments)		10
	Attendance		10
	Total		100
Recommended Reading	<b>Title</b>	<b>Author</b>	<b>Publisher</b>
	Understanding the Internet: A Clear Guide to Internet Technologies	Keith Sutherland	Butterworth-Heinemann (2001)
Additional Reading	The Internet	Onunga J.	Information Systems Academy (1998)
	Hands-On Networking with Internet Technologies	Douglas E. Comer	Prentice Hall
Other Support Material	A variety of multimedia systems and electronic information resources as prescribed by the lecturer. Various application manuals, URL search and journals.		