


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

BIT 213	Web Design & Publishing (HTML, CSS, Scripting)
Contact Hours	52
Pre-requisite	N/A
Purpose/Aim	This course enables the student to design and develop an organizational website.
Course Objective (Indicative Learning Outcomes)	<ul style="list-style-type: none"> • The learner will describe the methodology for developing an organizational website. • The learner will define advanced structures using a mark-up language. • The learner will enumerate the basic principles of web design.
Course Content	<ul style="list-style-type: none"> • Overview of web technology • Web project budgeting and estimation • Web project management • Defining the web site role • Basic types and levels of web site • Registering a domain name • Website design techniques and tools • Web content • Web software and tools evaluation • Web site layout • Text and graphics • Colour • Web page structure: tables, frames and layers • Using multimedia • Hyperlinks • Web site maintenance • HTML, CSS and XML basics • Scripting: CGI Scripts, JavaScript, JAVA and applets • Use of scripting language for animation, images and sounds • Web site project <p><u>Lab 1</u> Describe Internet services Describe the World Wide Web</p>



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	<p>Distinguish between web applications and web sites</p> <p>Lab 2 Design a view component Describe the Hypertext Transfer Protocol Describe the web container behaviour</p> <p>Lab 3 Create an HTML form Describe how HTML form data is sent in the Hypertext Transfer Protocol (HTTP) request</p> <p>Lab 4 Plan Web site layout, Text and graphics, Colour, Web page structure: tables, frames and layers Hyperlinks, Web site maintenance</p> <p>Lab 5 Web site project</p>		
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
	Learning Web design	Niederst J.	Shroff Publishers (2001)
Additional Reading	Web Design Tools and Techniques	Kentie Peter	PeachPit Press (2002)
	Web Design in a Nutshell, 3rd ed. Associates	Jennifer Niederst Robbins	O'Reilly & Associates(2006)
Other Support Material	A variety of multimedia systems and electronic information resources as prescribed by the lecturer. Various application manuals, URL search and journals.		