

Department of Computer Science University of Central Oklahoma COURSE DESCRIPTION					
Course Prefix	Course Number	Credit Hours	Course Title (maximum 30 characters)	Course Coordinator	Revision Date
CMSC	1053	3	Com Tech Communictn Global	Curriculum Committee	03-29-06

Catalog description:	A study of the fundamental concepts of conventional computer hardware and software systems for gathering and conveying information effectively. Course will include a hands-on introduction to computer hardware and its operation, current microcomputer operating systems, information acquisition and distribution using the Internet and the World Wide Web, and application software for communicating with others. Legal and ethical issues related to the use of computers in a global society will be addressed.	
Course prerequisites:	None.	
Text:	TBD	
References:		
Course goals:	Student completing this course are expected to be able to: <ol style="list-style-type: none"> 1) Acquire basic knowledge about computer hardware, software and their relationship; 2) Acquire basic knowledge about computer network and the Internet; 3) Acquire basic knowledge about computer security; 4) Be familiar with computer ethics and national/international licensing regulations; 5) Use current operating systems ; 6) Use current web browser for searching and information acquisition; 7) Use software packages for word processing, spreadsheet and presentation; 8) Create web pages using HTML. 	
Course outline	Topic	Lecture Hours
	Basics (Windows, hardware, software, network, Internet/Web, security and ethics)	5
	Word Processing Software.	9
	Spreadsheet Software and What-if Analysis .	7
	Presentation Software.	6
	Basic HTML and Web Site Construction.	5
	Total	32
Course requirements	Activity	Minimum Percentage
	Lab Practical Assignments	10
	Homework	20
	Library Assignments	5
	Tests	40

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Estimate of CSAB category content		
	Core (credit hours)	Advanced (credit hours)
Algorithms		
Data Structures		
Software Design		
Concepts of Programming Languages		
Computer Organization and Architecture		
Total		
Qualitative discussions		
Oral and Written Communications	Every student is required to submit at least 1 written report (not including exams, tests, quizzes, or commented programs) of 1 page.	
Social and Ethical Issues	Computer Ethics and Intellectual Property.	
Theoretical Content	None.	
Problem Analysis	What-if Analysis using Spreadsheet.	
Solution Design	Spreadsheet Design. Webpage design.	

