SYLLABUS

DIVIS	SION: Bus	siness and Engineering Techno	ology	REVISED: Fall 2012	
CUR	RICULA II	N WHICH COURSE IS TAUGH	IT:IST curricul	ar or elective	
COU	RSE NUM	IBER AND TITLE: ITE 221 – F	PC Hardware 8	& OS Architecture	
		RS: 4 HOURS/WK LEC: 2 HOU			
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I.				operating systems, internal functions, peripheral on/data formats, and basic OSarchitecture.	
II.	 RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES: Gain a working knowledge of representative commercial software packages, including operating systems, Internet and e-mail, word processing, spreadsheets, databases and presentations Acquire an understanding of microcomputers Address troubleshooting problems effectively and efficiently Manage operations and facilities Give end user support in related areas of software and hardware Apply logic and reasoning to develop computer solutions to stated problems or specifications as related to the business environment Discuss the functions of a microcomputer operating system as it relates to the architecture Discuss the functions of a microcomputer operating system as it relates to applications software 				
III.	REQUIRED BACKGROUND: Keyboarding skills recommended. Prerequisite ITE 115 Introduction to Computer Applications and Concepts or ITE 116 Basic Computer Literacy, or permission of the instructor is required. Basic experience in Windows operating system is assumed.				
IV. V.	COURSE CONTENT: Computer concepts Operating systems – past to present User needs assessment System upgrades Operating systems – non windows based Operating system and its relationship with application software Basic network servers Managing files and folders System security Other OS for PC's System and file backup plans File extensions associated with applications THE FOLLOWING GENERAL EDUCATION OBJECTIVES WILL BE ADDRESSED IN THIS				
••	COURS		X_	Computational and Computer Skills	
		XLearning Skills	X	Understanding Culture and Society	

___X___Understanding Science and Technology

___X___Interpersonal Skills and Human Relations

___X___Critical Thinking

____Wellness

 Computer Storage Use operating system commands Various booting techniques Formatting storage media Naming, copying, deleting folders & files 	Lab exercises Written test Code 5 DOS commands with options Demonstrate cold and warm booting Code format command for a hard disk Create course folder
Folders and files	Lab exercises In class assignments Written test
Conventione for the CC	Demonstrate folder contents and details in Windows 7 Add 3 subfolders to course folder
DOS Commands Demonstrate internal and external commands Code commands using wildcards List a series of commands in the correct sequence to handle file management/storage	Lab exercises In class assignments Written test List 5 external DOS commands Use wild card to list files
Backup and Recovery	Lab exercises In class assignments Written test List steps to a backup of the hard disk Identify system files Delete a folder and restore it using USB
Use the correct icons or commands to copy source files to various destinations & media Verify the accuracy of a copy command Change file attributes from a copy operation	Lab exercises In class assignments Written test Include verify option in a copy operation Use control panel to change file attribute to +R
Review other Operating Systems Discuss the Unix, Firefox and OS2 OS Access and display ASCII files Install an OS to a microcomputer or laptop	In class presentation/project Written test Code 3 Linux commands Display contents in ASCII