

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: CET 1173

COURSE TITLE: Desktop Operating Systems

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 4

CONTACT HOUR BREAKDOWN:

 Lecture Discussion: 3

 Laboratory: 1

 Other _____:

FACULTY WORKLOAD POINTS: 3.7

STANDARDIZED CLASS SIZE ALLOCATION: 24

COURSE DESCRIPTION:

This course covers operating system usage, installation, troubleshooting, and commands/actions used by technicians. Hands-on laboratories are provided.

SUGGESTED TEXT(S): A+ Operating Systems for Technicians 2004 by Schmidt and Meadors

IMPLEMENTATION DATE: Fall Term, 2000 (20011)

REVIEW OR MODIFICATION DATE: Fall Term, 2005 (20061)
Fall Term, 2006 (20071)
Fall Term, 2009 (20101) (was CET 1514)

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Installation of common Windows operating systems including service packs	7
II. Installation of software including word processing, spreadsheet, presentation, anti-virus, anti-span, and anti-popup	3
III. Registry and backups	3
IV. User profiles	3
V. Managing files in Windows including encrypting and compressing files and FAT/NTFS permissions	4
VI. Configuration, management, and troubleshooting Windows using tools and utilities including System Restore, MSCONFIG (Configuration Manager), Device Manager, System Monitor, Performance Logs and Alerts, Task Manager. Also includes loading and using Administrative Tools	16
VII. Copying and executing files from a command prompt (and incorporate into other labs throughout the term)	8
VIII. Troubleshooting Windows operating system installation and problems	3
IX. Hands-on Testing	10
X. Written Testing	3

PROGRAM TITLE: Computer Engineering Technology

COURSE TITLE: Desktop Operating Systems

CIP NUMBER: 0615.040200

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

02.0 DEMONSTRATE PROFICIENCY IN SOFTWARE FUNDAMENTALS -- The student will be able to:

- 02.01 Load and run operating system software
- 02.02 Load and run diagnostic software and utilities
- 02.03 Construct flow charts
- 02.04 Analyze flow charts

09.0 DEMONSTRATE PROFICIENCY IN THE USE OF MICROCOMPUTER DISK OPERATING SYSTEM SERVICES AND FUNCTIONS -- The student will be able to:

- 09.01 Describe the historical development of computer operating systems
- 09.02 Describe the major hardware and related software subsystems of microcomputer DOS (Disk Operating System)
- 09.03 Describe various disk formats
- 09.05 Describe the extended services of enhanced systems
- 09.08 Program using the extended DOS functions

PROGRAM TITLE: Biomedical Engineering Technology

COURSE TITLE: Desk Operating Procedures

CIP NUMBER: 1615.040101

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

03.0 APPLY BASIC SOFTWARE SKILLS RELATED TO BIOMEDICAL ENGINEERING TECHNOLOGY - The student will be able to:

- 03.01 Understand word processing software functions.
- 03.02 Understand database software functions.
- 03.03 Understand spreadsheet software functions.
- 03.04 Understand Computer Aided Design (CAD) software functions.
- 03.05 Understand Internet functions.
- 03.06 Demonstrate proficiency in using word processors for written reports and communication.
- 03.07 Demonstrate proficiency in searching and working with databases.
- 03.08 Demonstrate proficiency in using spreadsheets for basic data analysis.
- 03.09 Demonstrate proficiency in using CAD to analyze basic biomedical systems.
- 03.10 Demonstrate proficiency using CAD to troubleshoot basic biomedical systems.
- 03.11 Demonstrate proficiency in utilizing Internet resources.

06.0 UNDERSTAND BASIC NETWORKING PRINCIPLES - The student will be able to:

- 06.01 Understand basic network hardware technologies.
- 06.02 Understand basic network software technologies.
- 06.03 Demonstrate proficiency in understanding broad-based vendor independent network hardware technologies such as:
 - a. Local Area Networks (LAN)
 - b. Wide Area Networks (WAN)
- 06.04 Demonstrate proficiency in understanding basics in principle software protocols such as TCP/IP functions.
- 06.05 Demonstrate proficiency in relating network technology to real world applications in the biomedical field such as:
 - a. Laboratory Information Systems (LIS)
 - b. Hospital Information Systems (HIS)
 - c. Medical Instrumentation Interfacing



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

<i>Section 1</i>	
COURSE PREFIX AND NUMBER: <u>CET 1173</u>	SEMESTER CREDIT HOURS: <u>3</u>
COURSE TITLE: <u>Desktop Operating Systems</u>	

Section 2

TYPE OF COURSE: (Click on the box to check all that apply)

<input type="checkbox"/> AA Elective	<input type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input checked="" type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____		
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

Section 3 (If applicable)

INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:

<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

Section 4

INTELLECTUAL COMPETENCIES:

<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input checked="" type="checkbox"/> Quantitative Skills	<input type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

<i>Section 5</i>	
LEARNING OUTCOMES	METHOD OF ASSESSMENT
<ul style="list-style-type: none"> • A student will be able to successfully install any desktop Windows operating system with FAT, FAT32, and NTFS partitions. 	Hands-on exercises, written quizzes and tests.
<ul style="list-style-type: none"> • A student will be able to successfully install and remove desktop Windows applications and tools. 	Hands-on exercises, written quizzes and tests.
<ul style="list-style-type: none"> • A student will be able to successfully back up Windows, the registry, and user data. 	Hands-on exercises, written quizzes and tests.
<ul style="list-style-type: none"> • A student will be able to use basic Windows tools effectively....this includes working from the command prompt in Recovery Console (for example: replacing corrupt Windows files from CD). 	Hands-on exercises, written quizzes and tests.
<ul style="list-style-type: none"> • A student will be able to diagnose and repair common Windows problems. 	Hands-on exercises, written quizzes and tests.
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Section 6

Name of Person Completing This Form: Ernie Friend Date: 03/09/06