

<b>COURSE PREFIX/COURSE PREFIX/NO:</b>	<b>CPE 220</b>
<b>COURSE TITLE:</b>	<b>Computer Operating Systems</b>
<b>LEC HRS/WEEK:</b>	<b>3.0</b>
<b>LAB HRS/WEEK:</b>	<b>0.0</b>
<b>CREDIT HRS/SEMESTER:</b>	<b>3.0</b>

**DL ATTENDANCE/VA STATEMENT**  
**TEXTBOOK INFORMATION**

**COURSE DESCRIPTION:** This course covers the operation of the operating system and its use in analyzing a computer system

**COURSE COMPETENCIES:**

Upon successful completion of this course, the student should be competent to perform the following tasks:

**Module A— Basic concepts of Operating Systems**

- Define an operating system
- List the important milestones in the history of operating system
- Identify the functions of an operating system
- Identify the different types of operating systems – GUI, batch, multi user, multi-processing, multi-tasking etc

**Module B— Windows XP**

- List Windows XP benefits, features and weaknesses
- Install and configure Windows XP
- Customize and manage Windows XP
- Manage user security in Windows XP
- Troubleshoot common Windows XP problems

**Module C— Linux**

- List Linux benefits, features and weaknesses
- Able to log in, log off and list Linux commands
- Manage Files and folders
- Configure Linux
- Troubleshoot common Linux problems

**Module D— UNIX**

- List UNIX benefits, features and weaknesses
- Use UNIX Utilities - End user commands for file manipulation, editing, compilation and debugging
- List special features of UNIX shell environment

**MINIMAL STANDARDS/PERFORMANCE OBJECTIVES:**

**Module A—** Given various operating systems, the students will be able to classify the operating systems as single user, multi user, multitasking etc depending on their characteristics, with 70% accuracy

**Module B—** Given a Windows XP operating system, the students will be able to customize, manage user security and trouble shoot the problems, with 70% accuracy

**Module C—** Given a Linux operating system, the students will be able to use Linux commands, manage files and folders, and troubleshoot the problems with 70% accuracy

**Module D—** Given a UNIX operating system, the students will be able to use end user commands to do file manipulations, and do small shell programs with 70% accuracy

## **COURSE REQUIREMENTS**

Students are responsible for attaining competencies through completion of the following course requirements:

### **ATTENDANCE:**

Students are responsible for attending all scheduled meetings in the courses in which they are enrolled **until they have completed all course requirements**. Students are responsible for all material covered and for all assignments made in all classes. Students who are absent from a class more than 20 percent of the hours assigned will be withdrawn. A grade of "W" is assigned if the student's last date of attendance is on or before mid-term. If a student is withdrawn from a course and the last date of attendance is after mid-term, the grade assigned may be a "W" or a "WF". The attendance policy also applies to students enrolled in telecourses or online courses. "Attendance" is established for telecourses through contacting the instructor, turning in assignments, and completing tests. "Attendance" is established for online courses by contacting the instructor, logging into the course on a regular basis, and completing assignments and tests. The attendance procedure for online and telecourse students is available through the course syllabus.

### **ONLINE COURSE:**

If this is an online course, students are expected to check in daily for any communication .via email, calendar and/or the bulletin board. Students who do not check in for two weeks running will be dropped from the course. Students are expected to attend any review sessions held by the instructor. If a student misses a test because of illness or urgent emergency, then he/she should do the following: Notify the instructor at the earliest possible date. At that time a new date for the make up test will be scheduled. Students with unexcused absences when a test is given will be allowed to take a make up test at the discretion of the instructor. The student has the responsibility to be sure that some arrangement is made with the instructor for taking a make up test.

### **Missing Class**

In case a student does miss a class, he/she is responsible for obtaining the material that was covered during the absence. If a student is aware that he/she will miss a class, then the student should notify the instructor at the earliest possible date.

### **Missing a Test**

If a student misses a test because of illness or urgent emergency, he/she should notify the instructor prior to the class period, or at the earliest possible date. At that time a new date for the make up test will be scheduled. Students with unexcused absences during test will be allowed to take a make up test at the discretion of the instructor. The student has the burden to be sure that some arrangement is made with the instructor for taking a makeup test.

**STUDENT CONDUCT:**

York Technical College adheres to the South Carolina TECH Student Code and Grievance Procedure, approved by the State Board for Technical and Comprehensive Education on November 13, 2003. (Copies of this *Student Code and Grievance Procedure* are available in the College Library, the Industrial & Engineering Technologies Division Offices in Building C and D, the Business, Computer, Arts & Sciences Division Office in Building A, the Health & Human Services Division Office in Building A, the Student Government Association Office in the Student Center, in the Student Services Building., and on the College's website.) It is the policy of York Technical College that the *Student Code and Grievance Procedure* shall govern conduct and guarantee due process for students enrolled at the College. The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship. The regulations which follow are significant and students are expected to become familiar with them:

1. The College reserves the right to decline admission, to suspend, or to require the withdrawal of anyone whose conduct is disruptive to the educational process.
2. The possession or consumption of alcoholic beverages or other drugs by a student while on College property is prohibited and is grounds for dismissal. York Technical College does not sanction the use of alcoholic beverages at any event involving students of the College.
3. Children are not permitted in classrooms, shops or labs. Children should not be left unattended at any time on campus.
4. Any student caught cheating or involved in any other academic dishonesty will be given a grade of zero and will be subject to further disciplinary action.
5. All students should display a current parking decal on their vehicle and abide by the parking regulations provided.
6. Students are not permitted to eat or drink in the library or labs. Eating and/or drinking in classrooms is left to the discretion of the instructor. Smoking is not permitted in buildings.

**PARTICIPATION IN CLASS**

Students will be expected to participate in class discussions, to demonstrate problem-solving techniques, to complete tests, homework, and other assigned work.

## **EVALUATION STRATEGIES/GRADING**

The grading scale will be as follows:

### **Grade Points**

A	90-100
B	80-89
C	70-79
D	60-69
F	00-59

### **Evaluation Method**

Tests may be written or oral and may contain questions that are true or false, short answer, multiple choice, fill in the blank and/or problems.

Each Module will carry equal weight. Each test within each module will carry equal weight.

Module grades will be determined as follows:

Major Tests (minimum of 1)	60 %
Homework (minimum of 1)	20 %
Instructor Options	10 %
Work Ethics	10%

Distributed evenly among:

- Attendance
- Team Work
- Safety
- Participation
- Ethical behavior
- Respect for others
- Timeliness
- Quality
- Perseverance
- Cooperation

The instructor options will be discussed with the students during the first week of class. These options may include spot quizzes or written reports.

**ENTRY-LEVEL SKILLS:** Familiar with basic computer concepts

**PREREQUISITES:** CPE 107

**CO-REQUISITES:** None