
COURSE PREFIX/NO:	CPT 257
COURSE TITLE:	Operating Systems
LEC HRS/WEEK:	3.0
LAB HRS/WEEK:	0.0
CREDIT HRS/SEMESTER:	3.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course examines the theory of operating systems and how the operating system theory is implemented in current operating systems. This course will include overviews of single-user and multi-user operating systems and a discussion of the capabilities and limitations of each type.

COURSE COMPETENCIES

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

Module 1 – Operating System Theory and History

- Explain and explore the functions of an operating system.
- List characteristics of the different types of operating systems.
- Discuss the history of operating systems.

Module 2 – Contemporary Operating Systems

- Define computer hardware and discuss the interaction between the hardware and operating system.
- Describe the similarities and differences between current operating systems.
- Install and upgrade current operating systems.

Module 3 – Networks

- Differentiate between modems, bridges, routers and related hardware.
- List the types of network topography and the characteristics of each.
- Describe methods of sharing resources over a network.

Module 4 – Maintenance

- Explain procedures and utilities used for system maintenance.

MINIMUM STANDARDS

Students will be given a minimum of one written test and one graded assignment for each module. There will be a minimum of three projects.

GRADING PROCEDURES

A minimum of four tests and three projects will be given. A minimum grade of C is required for students in computer technology programs.

	Module 1	Module 2	Module 3	Module 4
Tests (one or more)	80%	40%	80%	80%
Quizzes and assignments	20%	10%	20%	20%
Projects		50%		
Portion of final grade	20%	50%	15%	15%

The grading scale is as follows:

A = 90 - 100

B = 80 - 89

C = 70 - 79

D = 60 - 69

F = Below 60

COURSE REQUIREMENTS

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

- attending class
- reading assigned material
- completing assigned exercises
- completing assigned projects
- completing all tests

ACADEMIC INTEGRITY

The policies stated in the **York Technical College Handbook** will be enforced. Any student violating the policies will be subject to academic discipline.

ATTENDANCE POLICY

The attendance policy as stated in the **York Technical College Handbook** will be enforced. Attendance is required on test days. You will receive a grade of zero for any test missed regardless of the reason. Make-up tests will not be given. You may replace one test score with an optional final exam.

ENTRY-LEVEL SKILLS

A student entering this course should be familiar with basic computer terminology and have worked with a microcomputer operating system.

PREREQUISITE: CPT 114

CO-REQUISITES: None

Disabilities Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.