COURSE TITLE: Introduction to Linux

COURSE NUMBER: SEC 230

I. MAJOR INSTRUCTIONAL OBJECTIVES:

Objective A: Demonstrate comprehension of general Linux concepts
A-1: Define terms, concepts, and processes associated with the Linux Operating System
A-2: Discuss the differences between Linux and other operating systems

Objective B: Demonstrate ability to utilize basic Linux shell commands effectively
B-1: Install Linux
B-2: Navigate the directory structure
B-3: Create, manipulate and delete data, files and directories
B-4: Determine and modify permission settings
B-5: Manage processes
B-6: Write simple shell scripts
B-7: Perform basic system administration functions.

Objective C: Demonstrate ability to utilize X Windows effectively
C-1: Switch between the Linux command line interface and graphical user interface
C-2: Understand the implementation structure of the Linux GUI
C-3: Install applications that run under X Windows.

Objective D: Demonstrate understanding of basic system administration tasks
D-1: Add and delete users
D-2: Monitor system usage
D-3: Mount file systems
D-4: Back up files

II. CLASS PARTICIPATION:

Students are expected to attend class and participate actively and in a positive way. Questions and relevant observations are encouraged and enrich the experience of the entire class. Computers in the classrooms are intended to be used as tools to enhance the students’ learning experience. Instant messaging, gaming, emailing, and surfing the web are distractions to the student, the surrounding students, and the instructor and constitute inappropriate behavior. Students are ethically obliged to avoid these and similar practices.