WILMINGTON UNIVERSITY
COLLEGE OF TECHNOLOGY
BASIC COURSE INFORMATION

COURSE TITLE: Linux for Systems Administrators
COURSE NUMBER: SEC335

NOTE: links to journals, research reports, and other sources will be posted on the class Blackboard website, and additional materials may be presented in class. All posted and distributed materials form part of the knowledge base for the course.

Minimum Grade Policy
The Computer & Network Security program has set a minimum passing grade of "C-" for program core courses. Students receiving a grade lower than "C-" in any required core course must retake that course.

I. MAJOR INSTRUCTIONAL GOALS:

OBJECTIVE #1: Demonstrate ability to install and configure Linux
Learning Outcomes: The student will be able to install a Linux distribution and services required to support a Web server.
Learning Activities: Assigned readings, discussion, lab exercises, external assignments
Learning Assessment: Written exams, assignments

OBJECTIVE #2: Demonstrate ability to install configure typical network services
Learning Outcomes: The student will be able to download and install software from both RPM packages and tarball files.
Learning Activities: Assigned readings, discussion, lab exercises, external assignments
Learning Assessment: Written exams, assignments

OBJECTIVE #3: Demonstrate ability to perform basic system administration functions
Learning Outcomes: The student will employ a system administrator role by managing users and groups, monitoring processes and permissions, performing backup and recovery, and evaluating basic security concepts.
Learning Activities: Assigned readings, discussion, lab exercises, external assignments
Learning Assessment: Written exams, assignments

OBJECTIVE #4: Demonstrate understanding of fundamental privacy and security issues
Learning Outcomes: The student will identify current trends in technology as related to information gathering and dissemination.
Learning Activities: Assigned readings, discussion, lab exercises, external assignments
Learning Assessment: Written exams, assignments

STRUCTURED EXTERNAL ASSIGNMENT: Prepare a paper that demonstrates comprehension and application of research into social, ethical, and legal issues in information technology, communication technology, identification technology, and technologies for other specific Network Administration settings. Be prepared to summarize results in an oral presentation.
Learning Activities: Assigned readings, discussion, lab exercises, external assignments
Learning Assessment: Assessment Rubric
This activity is a designated data-collection element for program and University-wide outcomes assessment.

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.