

DIVISION: Information Technology

CURRICULUM: Programming, Web, Networking

COURSE TITLE: Computer Operating Systems

COURSE NUMBER: ITC 134

QUARTER-HOUR CREDITS: 5

APPROXIMATE CLOCK HOURS PER QUARTER FOR:

LECTURE: 55

TYPE OF COURSE: Applied Technology

COURSE DESCRIPTION: Introduces concepts of processes, file systems and structures, software and hardware management, security and user authentication, resource allocation, and memory management. WINOWS, DOS, and LINUX Operating systems are used to introduce these concepts.

COURSE OBJECTIVES AND STUDENT OUTCOMES:

Students finishing the Information Technology Program will be able to:

- Recognize current technology trends
- Install and configure software
- Install and configure basic hardware
- Use and manage Internet resources
- Understand and practice programming principles and structures
- Create, design and modify databases and spreadsheets
- Create and modify documents
- Apply critical thinking, logic, and problem solving skills
- Prepare technical communications and technical documentation
- Communicate effectively verbally and in writing
- Problem solve and troubleshoot
- Manage tasks and teach themselves needed knowledge
- Help foster a constructive work place environment
- Work effectively in teams
- Understand the dynamics of work and organizational cultures in a global economy
- Participate in work based learning

LENGTH OF COURSE: One quarter 55 hours (alternative schedules are possible)

CLASS SIZE (maximum): 24. Limited by the number of computers in the class.

PREREQUISITES: MIC 101, ITC 140 as a Pre or Co requisite. or equivalent

OUTLINE DEVELOPED BY: Roland Cooke DATE: 5-10-2002