Sinclair Community College
444 E. Third St.
Dayton, OH 45402

Master Syllabus

CIS 1107 - Introduction to Operating Systems

Division: Business and Public Services

Department: Computer Information Systems

Credit Hour Total: 3.0   **Lecture Hrs:** 3.0

Date Revised: December 2015

Course Description:

Introduction to operating systems and their concepts. Both the command line interface (CLI), with commonly used instructions, and a graphical user interface (GUI) will be used to manage and administer current desktop operating systems (Windows, Linux and Mac OS X). Operating systems for mobile devices (Apple IOS, Google Android and Windows Phone) will be introduced and popular applications for mobile devices will be reviewed.

General Education Outcomes:

- Critical Thinking/Problem Solving Competency
- Computer Literacy Competency

Course Outcomes:

Operating systems for mobile devices
Identify, define and manage various operating systems (IOS, Android, Windows Phone) for mobile devices and applications for those devices.

Assessment Method: Locally developed exams
Performance Criteria:

70% or higher on locally developed tests.

Assessment Method: Simulations
Performance Criteria:

70% or higher on labs

Command Line Interface (CLI)
Execute commands in a command line interface. Present and implement commands in a batch file using appropriate command line syntax.

Assessment Method: Locally developed exams
Performance Criteria:

70% or higher on locally developed tests.

Assessment Method: Simulations
Performance Criteria:

70% or higher on labs

Graphical User Interface (GUI)
Explore and configure an operating system's graphic user interface.

Assessment Method: Locally developed exams
Performance Criteria:

70% or higher on locally developed tests.

Assessment Method: Simulations
Performance Criteria:

70% or higher on labs.

Operating Systems Management
Identify, define, and implement various operating system management tools. Manage files, folders, and basic access permissons. Manage security tools and firewall options.

Assessment Method: Locally developed exams
Performance Criteria:

70% or higher on locally developed tests.

Assessment Method: Simulations
Performance Criteria:

70% or higher on labs

Outline:

Command Line Syntax
File and Folder Management
Basics of Graphical User Interfaces

Managing Users and Groups
Operating System Administration
Operating System Security
Operating Systems for mobile devices