

## 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

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#### 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 permissions. 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