Course Prefix and Number: ITN 106  Credits: 3

Course Title: Microcomputer Operating Systems

Course Description: Teaches use of operating system utilities and multiple-level directory structures, creation of batch files, and configuration of microcomputer environments. May include a study of graphical user interfaces. Lecture 3 hours per week.

General Course Purpose: This course introduces PC, laptop, and mobile device operating systems and troubleshooting.

Course Prerequisites and Co-requisites: None

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Compare, contrast and use the appropriate features of various Microsoft Operating Systems, Android phones, iPhone, and Linux based systems;
b. Identify and use common security measures necessary to protect computers, networks, tablets, and mobile devices;
c. Establish basic network connectivity and configure email;
d. Execute and configure mobile device synchronization; and

e. Given a scenario, troubleshoot, identify, and remedy common problems related to personal computers, laptops, mobile devices using appropriate software tools.

Major Topics to Be Included:
 a. Windows Operating Systems including
   o Installing windows
   o Maintaining windows OS
   o Troubleshooting Windows and Applications
 b. Linux based systems
 c. Apple OS systems
 d. Connecting to and Setting up a Network
 e. Security Strategies
 f. Mobile Devices and Client-Side Virtualization

Date Created/Updated (Month, Day, and Year): December 2, 2019