IST 109C : PC OS Security and Cloud Fundamentals

This course is a continuation of the current material taught in IST 104C with emphasis placed on CompTIA's Core 2 Objectives. Labs and hands-on activities are used extensively to illustrate concepts. Topics include installing, maintaining, troubleshooting, and optimizing computer operating systems. Significant time is dedicated to security topics, best practices, and exploring real-world security issues. Mobile devices, virtualization, and software diagnostic utilities are also covered. This course prepares students for the second exam in CompTIA's A+ certification path, CORE 2 (220-1002).

Credits 3
Lab/Practicum/Clinical Hours 2
Lecture Hours 2
Learning Outcomes
- Use virtualization techniques in the creation of virtual machines.
- Demonstrate methods for installation, maintenance, troubleshooting, and optimizing computer operating systems.
- Troubleshoot common operating system and application software issues.
- Develop in-depth research skills, critical for solving software issues.
- Demonstrate methods of securing confidential data on Windows computers.
- Identify and apply mitigation techniques to solve malware issues.
- Recognize common security ploys and demonstrate avoidance techniques.
- Explore mobile device operating systems.
- Discuss change management and the importance of documentation.
- Be proficient using Microsoft Windows system tools.