**COLLIN COLLEGE**

**COURSE SYLLABUS**

Course Information

**Course Number**: ITSY 2300

**Course Title:** Operating System Security

**Course Description:** Safeguard computer operating systems by demonstrating server support skills and designing and implementing a security system. Identify security threats and monitor network security implementations. Use best practices to configure operating systems to industry security standards. Lab required.

**Course Credit Hours:** 3

Lecture Hours: 2

Lab Hours: 2

**Prerequisite**: ITMT 1371 or ITNW 1358

**Student Learning Outcomes:**

* **State-mandated Outcomes:** Upon successful completion of this course, students will:

1. Identify network security risks, security design, and monitoring solutions.
2. Identify sources of computer threats, evaluate potential practices, tools, and technologies to protect individual network systems.
3. Establish and sustain an operating system security plan utilizing systems and application security tools.
4. Implement procedures to secure and monitor audit logs and set system administrator alerts.
5. Develop an organizational operating system security plan that provides for periodic reviews of security policies, procedures, authorized users list, and software update patches.

**Withdrawal Policy:** See the current *Collin Registration Guide* for last day to withdraw.

**Collin College Academic Policies:** See the current *Collin Student Handbook.*

**Americans with Disabilities Act Statement:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

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