**COLLIN COLLEGE**

**COURSE SYLLABUS**

Course Information

**Course Number**: ITNW 1351

**Course Title:** Fundamentals of Wireless LANs

**Course Description:** Design, plan, implement, operate, and troubleshoot Wireless Local Area Networks (WLANs). Includes WLAN design, installation, and configuration; and WLAN security issues and vendor interoperability strategies. Lab required.

**Course Credit Hours:** 3

 Lecture Hours: 2

 Lab Hours: 3

**Student Learning Outcomes:**

* **State-mandated Outcomes:** Upon successful completion of this course, students will:
1. Explain wireless technologies, topographies, and standards.
2. Design, install, configure, monitor, maintain, and troubleshoot wireless networks.
3. Implement wireless security using encryption, MAC filtering, Authentication, Authorization, and 802.1x technologies.

**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.

*Fall 2017 New*