Wayne County Community College District

COURSE SYLLABUS

CIS 245 Wireless Networking

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
This course will introduce the student to wireless networking over a range of applications, from local area networks to broadband wide area network links. Students will be able to describe the advantages and disadvantages of wireless communication in general, and understand the difference between radio and infrared. The course will cover WLANs, configuration and security problems.

PREREQUISITES: CIS 110, CIS 240

EXPECTED COMPETENCIES:
Upon completion of this course, the student will be familiar with:
- Wireless
- Transmission Fundamentals
- Communication Networks
- Antennas and Propagation
- Signal Encoding Techniques
- Spread Spectrum
- Satellite Communications
- Cellular Wireless Networks
- Wireless LAN Technology
- Bluetooth
- Mobile IP and Wireless Access Protocol

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
90%-100% = A
80%-89.9%= B
70%-79.9%= C
60%-69.9%= D
<60% = E