NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY
ITN 293 - STUDIES IN WIRELESS NETWORK ADMINISTRATION (3 CR.)

COURSE DESCRIPTION

An independent one semester, student research project open only Wireless Network Administration candidates. This course is an independent student research project in which the student(s) is expected to conduct a Wireless Network site Survey. The student(s) will, in coordination with their advisor, conduct a wireless site survey and develop a design for installing a wireless Local Area network. The students will meet as a group at the beginning of the semester and individually thereafter with their Advisor. The students will submit their plan to their site survey results and design plan in discussion with a Senior IT Management Board composed of faculty members and, as appropriate, Wireless Specialist from industry.

Lecture - 3 hours per week

RECOMMENDED CO-REQUISITES OR PRE-REQUISITES

The student must have completed ITN 120 – Wireless Network Administration. Prerequisite/co-requisite ITN 283 – Wireless Network Field Site Survey. The student must have completed an interview with his/her Wireless Network Administration Advisor.

COURSE OBJECTIVES

Upon completion of the prescribed work for this course, the student should be able to:

• Be able to conduct Wireless site survey.
• Write a report detailing his/her Wireless Survey findings and recommendations.
• Brief his/her security findings and recommendations.
• Install and configure Wireless Local Area Network

COURSE CONTENT

a. Conduct a Wireless site Survey
b. Prepare a Written site Survey Report
c. Prepare and Conduct a Presentation of the site Survey
d. Install and configure a Wireless Local Area Network

STUDENT LEARNING OUTCOMES

Conduct Independent Research

• Demonstrate the ability to conduct independent research.
• Demonstrate the ability to interact with senior level executives of an organization.
• Understand and use selected site survey tools.
• Demonstrate the ability to work effectively as a team member.
• Prepare a Written Report
• Understand how to organize a site survey.
• Understand how to document site survey finding.
• Demonstrate the ability to formulate and recommend locations for Access Points.
• Prepare and Conduct a Presentation
• Demonstrate the ability to organize a presentation
• Demonstrate the ability to create a presentation
• Demonstrate the ability to present a presentation.
• Demonstrate the ability to defend their methodology, tools and techniques to the senior management.