Master Syllabus

MAN 1106 - Introduction to Radio Frequency Identification

Division: Business and Public Services

Department: Management

Credit Hour Total: 1.0   **Lecture Hrs:** 1.0

Date Revised: October 2013

Course Description:

Overview of the technology of Radio Frequency Identification (RFID). Applications, terminology. Introduction of global standards and case studies discussed.

General Education Outcomes:

- Written Communication Competency
- Critical Thinking/Problem Solving Competency
- Information Literacy Competency
- Values/Citizenship/Community Competency

Course Outcomes:

System Components
Identify RFID system components and the function of each.

Assessment Method: Locally developed exams
Performance Criteria: Achieve a minimum grade of 70% or higher

Assessment Method: Performance appraisals
Performance Criteria: Achieve a minimum grade of 70% or higher on locally developed rubric.

Data Function and Use
Describe how RFID systems work, the data they produce, and how the data is used to make business decisions.

Assessment Method: Locally developed exams
Performance Criteria: Achieve a minimum grade of 70% or higher

RFID systems terminology
Define the terms surrounding RFID systems and the situations in which RFID is appropriately used.

Assessment Method: Locally developed exams
Performance Criteria: Achieve a minimum grade of 70% or higher

Risks and Rewards
Illustrate potential risks and rewards of RFID implementation and the roles of the implementation team members.

Assessment Method: Locally developed exams
Performance Criteria: Achieve a minimum grade of 70% or higher

Assessment Method: Simulations
Performance Criteria: Achieve a minimum grade of 70% or higher on locally developed rubric.

Capture Ability
Demonstrate the capture ability of a RFID system and the importance of the system to the business entity.

Assessment Method: Locally developed exams
Performance Criteria: Achieve a minimum grade of 70% or higher

Assessment Method: Simulations
Performance Criteria: Achieve a minimum grade of 70% or higher based on departmental rubrics

Outline:

Evolution of Radio Frequency Identification (RFID) Technology
RFID Middleware
RFID Vendors
Data Management
Ethical/Privacy Issues
RFID Regulations and EPC Global Standards
RFID Applications