

## 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

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#### 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
- ▣ Critical Thinking/Problem Solving
- ▣ Information Literacy
- ▣ Values/Citizenship/Community

#### 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