# Master Syllabus

## MAN 1157 - Management Applications of Radio Frequency Identification Technology

**Division:** Business and Public Services

**Department:** Management

**Credit Hour Total:** 2.0        **Lecture Hrs:** 2.0

**Prerequisite(s):** MAN 1106

**Date Revised:** September 2013

## Course Description:

This course will introduce students to the management applications of Radio Frequency Identification (RFID) technology, which enables automated gathering and sending of asset information. Case studies and hands-on activities will allow students the opportunity to experience RFID from a business perspective, linking cost, price, customer satisfaction and product performance measures to business application outcomes.

## General Education Outcomes:

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

## Course Outcomes:

### Radio Frequency Identification (RFID) Technology

Apply RFID technology to a variety of applications, including supply chain, health care and government.

**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

### Cost Structure of Radio Frequency Identification (RFID)

Determine the Return on Investment (ROI) of RFID applications and provide rationale to build a business case for application and use.

**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

### Radio Frequency Identification (RFID) Implementation

Determine the appropriate vendor sourcing and selection criteria and apply this reasoning in case study analysis.

**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:

Radio Frequency Identification (RFID) and the Supply Chain
Return on Investment for RFID application
RFID Vendor Selection
Security
Ethical/Privacy Issues
RFID Regulations and EPC Global Standards
RFID Applications