

Syllabus for SMGT 335 Management and Environmental Information Systems

NOTE: This syllabus document contains the basic information about this course. The most current syllabus is available in the course.

Course Description

Information systems are fundamental to any organization. Managers must be able to use information systems, identify potential IS projects, manage aspects of IS and participate in IS systems development. Managers must also be able to understand sustainability concepts related to information systems such as green data centers, green computing, information system support for carbon trading, and green architectures.

This course discusses the major themes and the problem-solving approaches used while surveying the role of information systems in today's businesses, the technical foundation for understanding information systems by examining hardware, software, databases, networking technologies, and tools and techniques for security and control. It examines the core information systems applications businesses are using today to improve operational excellence and decision making. It shows how to analyze and design information systems solutions to business problems. It also explores concepts related to carbon trading, green architectures, and green IT in detail.

This course consists of four distinct units. While the first three units deal primarily with information systems and IT infrastructure that businesses use, the fourth unit is devoted exclusively to sustainable technologies, IT concepts for sustainability, low carbon technologies, carbon trading and carbon credits.

Prerequisites

- SMGT 230 Triple Bottom Line Accounting for Managers
- Knowledge of Microsoft Office, including Excel, Word, and PowerPoint

Course Outcomes

Upon completing this course, you will be able to do the following:

- Use computer technology in decision making
- Demonstrate an understanding of the MIS functional area and its integration with other areas
- Demonstrate an understanding of the role of information systems as a management resource

- Apply data processing, management information systems, and decision support systems to problems and issues in various functional areas of business
- Demonstrate effective written communication on a business problem or issue
- Explain basic concepts behind carbon trading and carbon credits; contrast different proposals for curbing GHG emissions
- Explain basic concepts of green computing
- Discuss principles behind green data centers; contrast between different ways to make information technology architectures green
- Summarize and differentiate between different low carbon technologies

Course Requirements/Components

Your course includes reading assignments, discussions, quizzes, homework assignments, and exams. You are expected to log on to the course site several times a week to read announcements, participate in discussions, and complete and submit the assigned work. You are expected to find time offline to complete the reading assignments, homework assignments, exercises, and exams.

Grading Policy

Discussions	25%
Quizzes	25%
Homework Assignments	25%
Exams	25%

Grades are assigned as follows:

95-100%	A
92-94%	A-
89-91%	B+
86-88%	B
83-85%	B-
80-82%	C+
75-79%	C
70-74%	C-
60-69%	D
Less than	F

60%	
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Policy on Incomplete, Unsubmitted, or Late Homework

Incomplete assignments will receive partial credit. Unsubmitted assignments will receive no credit. Students who are going to be late with an assignment submission or an exam should inform the instructor and explain the reasons. The instructor may accept the late submission with a penalty, depending on the reason and the nature of the assignment. If no advance notification has been received, the following applies for late assignments:

- Late discussion messages will not receive any credit.
- Late homework assignments will be penalized 10% of the credit for each day an assignment is late. If the homework is late by three days or more, it will not receive any credit.
- Late quizzes will not receive any credit.
- Late exams will be penalized 10% of the credit for each day it is late. If the exam is late by three days or more, it will not receive any credit.