

Syllabus for SMGT 335 Management and Environmental Information Systems

Course Description

Prerequisites

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

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.

Course Learning Outcomes

- 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 Materials

Information on course materials can be found in the [textbook section](#) of the SMGT website.

- Additional reading materials will be provided in the course.
- Microsoft Office Suite (Word, Excel, PowerPoint in particular) 2013 or later. Microsoft Office Suite 2010 is OK as well.
- Reference materials on Microsoft Excel and Microsoft PowerPoint. We will use Excel and PowerPoint extensively as part of the homework assignments in this class. This course requires you to know how to sort data, use formulas, create tables/charts, and utilize pivot tables and other similar capabilities in Excel.
- In some assignments, you may need to use Microsoft Access or LibreOffice Base to build databases.

Course Requirements

Every week, there will be reading assignments, discussions, and quizzes. Some weeks, there will be homework assignments and exams. Students are expected to log on to the course site several times every week to read announcements, participate in online discussions, complete and submit assigned work, including quizzes, homework assignments, and exams. Students are expected to find offline time to complete the reading assignments, homework assignments, exercises, and exams.

Grading Policy

Discussions	21%
Quizzes	20%
Homework Assignments	33%
Exams	26%

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 60%	F

Note: The grading policy may be further revised depending on grading requirements of individual campuses.

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(s) 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 it 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.