

**ISM 215**

## **Information Systems Theory and Practice**

**Instructor:** Steven Millet  
**Winter I Term 2016**  
October 18<sup>th</sup> – December 17<sup>th</sup>

**Email:** steven.millet@doane.edu  
**Time:** Tuesdays, 6:00 – 10:30 PM

This course provides an understanding of the decision process and how information is used for decision support in organizations. Students develop an understanding of decision theory and practice essential for providing viable information to the organization and will be able to identify the various types of information systems. (3 Credits)

**Learning Goals and Objectives:** At the end of this course, the student should

- Understand what an Information System is, and be familiar with the different types of Information Systems as demonstrated in lecture and lab.
- Be familiar with what decision theory is and understand, through structured labs, how to use decision support software.
- Have a general understanding of Systems Analysis and Design considerations and the end-user, through the analysis of selected case studies.
- Be familiar with the potential provided by Computer Aided Systems and Software Engineering (CASE) tools in the ISM process, through "hands on" lab assignments.
- Understand the growing potential provided by the use of Artificial Intelligence (AI) and Expert Systems in ISM, through directed lab assignments.

### **Required Course Text**

Management Information Systems 14<sup>th</sup> Ed. By Kenneth C. Laudon and Jane P. Laudon, Prentice Hall.  
**ISBN-13:** 9780133898163

<u>Class</u>	<u>General Topics To Be Covered</u>
1	Course Overview Introduction to Information Systems Management (ISM)
2	The Strategic Role of Information Systems Information Systems, Organizations, and Business Processes Information, Management, and Decision Making Ethical and Social Impact of Information Systems
3	Computers and Information Processing Information Systems Software Managing Data Resources Telecommunications The Internet and Enterprise Networking
4	<b>Midterm EXAM #1</b> (In Class)
5	Redesigning the Organization with Information Systems Alternative Systems-Building Methods Ensuring Quality with Information Systems Systems Success and Failure: Implementation
6	Managing Knowledge Enhancing Management Decision Making
7	Controlling Information Systems Managing International Information Systems Additional Issues in ISM
8	<b>Final EXAM #2</b> (In Class) In Class Project Reports Due

#### **Methods for Assessment of Student Performance:**

The student's final grade will be determined as follows:

- 35% Course assignments and activities
- 25% Exams (2 scheduled)
- 15% Quizzes (2 scheduled)
- 15% Term Project
- 10% Attendance / Participation

The following Grading Scale will be used:

100 – 97	A+
96 – 94	A
93 – 90	A-
89 – 87	B+
86 – 84	B
83 – 80	B-
79 – 77	C+
76 – 74	C
73 – 70	C-
69 – 67	D+
66 – 64	D
63 – 60	D-
Below 60	F

### **Classroom Procedure:**

The first 1 1/2 - 2 hours of class will always be devoted to lecture. The remaining class time will be reserved for students to work on course assignments. Students are encouraged to make optimum use of this time, as your instructor will be readily available to answer any questions you might have. The only exceptions to this schedule may be on exam or quiz nights. Only students with excused absences will be allowed to take make-up exams. Make-ups should be taken no later than one week after the exam date. Students will complete a class term project, due on the last night of class. This will consist of a paper approximately 5 - 6 pages in length. Students should be prepared to give a short oral report about their project during the last class meeting. More information about the project will be provided the first night of class.

### **Academic Integrity:**

The Doane Academic Integrity Policy will be adhered to in this class. All assignments and exams/quizzes will represent your own work. Any use of others' ideas and words without proper citation of sources is plagiarism and could result in the loss of all points for that particular assignment or exam.

### **Use of Personal Technology During Class:**

Please restrict your use of cell phones to outside of class time. The use of PDAs, Laptop Computers and any personal audio/visual devices are generally prohibited during class time unless approved by your instructor.

### **Students with Disabilities/Reasonable Accommodations:**

Doane seeks to maintain a supportive academic environment for students with disabilities. To ensure your equal access to all educational programs, activities and services, federal law requires students with disabilities notify the college, provide documentation, and request reasonable accommodations. If you need accommodations in this course, please notify your instructor immediately so that the required documentation is filed, and that your accommodation plan is in place.

**Note:** The schedule outlined in this syllabus is tentative. All efforts will be made to adhere to it as closely as possible. However, your instructor reserves the right to make any changes to the schedule as needed.