

ISE 455/555 Information Systems Engineering

Course Code: 06446/06447

Faculty: David Koonce

Office: 283 Stocker Center

Time: MW 9.10 A.M. →11:00

Place: W109 Grover

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Prereq:

Off. Hours: 8-9 MW

Text: Information Technology for Management, 4th Edition, Turban, McLean and Wetherbe; John Wiley & Sons, Inc., 2004.
NIST's IDEF 0 manual (available On-line)

Course General Objective:

Information systems provide a primary source of information for industrial engineers. This course introduces to students to information systems. Students will also learn about the design and implementation of information systems.

Course Specific Objectives:

At the end of this course students should be able to:

1. Model a system, incorporating feedback
2. Identify steps in the Systems Lifecycle Model
3. Explain the advantages and disadvantages of developing a system using a database management system
4. Describe common methods for data communications
5. Describe activities in common business information systems including
 - a. Accounting Information Systems
 - b. Management Information Systems
 - c. Decision Support Systems
 - d. Knowledge Based Systems
 - e. Executive Information Systems
 - f. Manufacturing Information Systems
6. Develop an IDEF0 model of a system
7. Used a database management systems to develop reports and tables

Grade distribution:

- Homework and programming assignments 50%
- Mid-term Examination 20%
- Student presentation 10%
- Final Examination 20%

Homework, Make up quizzes, midterms, and final policy:

Missed homework submissions and exams may only be made up when a legitimate class absence occurs. Final grades will be assigned using the following scale. If necessary, grades will be rounded up. (No student's grade will be rounded down.)

	A=93-100%	A-=90-92%
B+=87-89%	B=83-86%	B-=80-82%
C+=77-79%	C=73-76%	C-=70-72%
D+=67-69%	D=63-66%	D-=60-62%
Below60%=F		

Attendance policy:

Class attendance is encouraged, and required, each student is allowed two (2) absences. Each absence after the first two will result in a loss of one (1) point off the final grade.

Scholastic dishonesty policy:

Cheating on examinations, submitting work from other students as your own, or plagiarism will result in an automatic F on the assignment and possible further action from the university.

Course topics & Calendar

Day	Date	Textbook	Other Material
M	1-3-2005	1	Syllabus, IDEF 0, Digital Signatures
W	1-5-2005		
M	1-10-2005	2	Access
W	1-12-2005		
M	1-17-2005 – MLK No Class	3 & 4	IDEF 0
W	1-19-2005		
M	1-24-2005	7	Access, CAX
W	1-26-2005		
M	1-31-2005	8 & 9	Access
W	2-2-2005		
M	2-7-2005	10	IDEF 0
W	2-9-2005		
M	2-14-2005	11	IDEF 0, Data Mining
W	2-16-2005		
M	2-21-2005	12	Access
W	2-23-2005		
M	2-28-2005	14	IDEF 0
W	3-2-2005		
M	3-7-2005	Student Presentations	
W	3-9-2005		

ISE 455/555 Homework Assignments

There will be three types of assignments in ISE 455. First, each week, a set of questions will be given for the book material covered that week.

- All homework is due at the start of the first class after we finish covering the chapter.
- **All homework is to be neat and done on the computer.**
- No more than 2 problems to a page. – See example homework on the web
- No group work is allowed