Course Syllabus

Course Information

Course title	Enterprise Resource Planning
Course number	MIS 354
Course description	The course provides an overview of Enterprise Resource Planning software systems and their role within an organization. It introduces key concepts integrated information Systems and explains why such systems are valuable to businesses.
Meeting day	Saturday, Monday, Wednesday
Prerequisite(s)	Systems analysis and design (MIS 215)

Instructor Information

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Course Goals

- Know basic business functional areas and explains how they are related.
- Illustrate how unintegrated information systems fail to support business decision and how Integrated information systems can help a company prosper by providing business managers with accurate, consistent, and current data.
- Understand how Enterprise Resource Planning software is used to optimize business processes Acquire experience in using ERP software that can be applied in further coursework

General Policies

- Start homework early. Late homework will not be accepted. System crashes within 48 hours of homework due date are not valid excuses for late homework.
- There will be no make-up quizzes or exams. If you require special consideration due to disabilities, please provide adequate documentation per university policy.
- Please do not arrive late or leave early from the classroom without prior permission.
- I do not take attendance. However, if you do not show up for classes, your class participation points will be affected. It is your responsibility to get all information provided during lectures that you missed from your classmates. Missing class is not an excuse for retaking quizzes, missing homework deadlines, or misunderstanding lesson changes announced in class.
- All submitted course requirements must be your own work.
- Getting help from others on individual assignments, getting help on group assignments from individuals other than your group members, and referring to assignments or exams from the previous semester are all considered unethical. It is important to produce all assignments in your own words.
- Copying material verbatim from the web or books is plagiarism.
- A grade of F could be awarded in the course for unethical behavior on part of one course requirement.

Course Requirements

The course requirements include

First Mid Term	(40 Points)
Second Mid Term	(40 Points)
Quizzes	(5 Points)
Assignments and Class Participation	(5 Points)
Project and Presentations	(10 Points)
Final Exam	(40 Points)

Required Readings

Textbook	Concepts in Enterprise Resource Planning, 3rd edition - Ellen Monk, Bret Wagner, Course Technology

List of cases and articles:

1. "Putting the Enterprise into the Enterprise System," T.H. Davenport, *Harvard Business Review*, July-August 1998, pg. 121-131.

2. "Enterprise Resource Planning Survey of U.S. Manufacturing Firms," V.A. Mabert, A. Soni, and M.A. Venkatraman, *Production and Inventory Management Journal*, Second Quarter, 2000, pg. 52-58.

3. "Harley-Davidson Motor Company: Enterprise Software Selection," Harvard Business School Publishing, Boston, MA 02163, case study #9-600-006.

4. "SAP America," Harvard Business School Publishing, Boston, MA 02163, case study #9-397-057. 5.

"Information Flows in Manufacturing under SAP R/3," Stanford University Graduate School of Business (case study # OIT-13), also available through Harvard Business School Publishing, Boston, MA 02163, case study OIT-13.

6. "Vandelay Industries, Inc." Harvard Business School Publishing, Boston, MA 02163, case study #9-697-037.

7. "Tektronix, Inc.: Global ERP Implementation," Harvard Business School Publishing, Boston, MA 02163, case study #9-699-043.

8. "IBM Technology group," Harvard Business School Publishing, Boston, MA 02163, case study #9-600-010.

9. "Cisco Systems Architecture: ERP and web-enabled IT," Harvard Business School Publishing, Boston, MA 02163, case study #9-301-099.

10. "Cultural fits and Misfits: Is ERP a Universal Solution?" C. Soh, S.S. Kien, and J. Tay-Yap, *Communications of the ACM*, April 2000, vol. 43, no. 4, pg. 47-51.

11. "Multisite ERP Implementations," M.L. Markus, C. Tanis, and P.C. van Fenema, *Communications of the ACM*, April 2000, vol.43, no. 4, pg. 42-46.

12. "Componentizing the enterprise application packages," D. Sprott, *Communications of the ACM*, April 2000, vol.43, no. 4, pg. 63-69.

ERP Books (Recommended reading):

1. *SAP R/3 Business Blueprint*, Thomas A. Curran, Andrew Ladd, Prentice Hall, 2nd Edition 2000, ISBN 0-13-085340

2. *Concepts in Enterprise Resource Planning*, Joseph A. Brady, Ellen F. Monk, Bret J. Wagner, Course Technology, 2001, ISBN 0-619-01593-4

3. *Enterprise Resource Planning Systems*, Daniel E. O'Leary, Cambridge University Press, 2000, ISBN 0-521-79152-9

4. *Implementing SAP R/3*, Vivek Kale, SAM Publishing, 2000, ISBN 0-672-31776-1

5. *Implementing SAP R/3 Sales and Distribution*, Glynn C. Williams, McGraw Hill, 2000, ISBN 0-07-212404-0

6. *SAP R/3 Reporting Tools*, Danielle Larocca, McGraw Hill, 2000, ISBN 0-07-212342-7

7. Using SAP R/3

8. *Using SAP R/3 FI*, Ben Rockfeller, John Wiley, 1998, ISBN 0-471-17996-5

9. *The SAP R/3 Handbook*, Jose Antonio Hernandez, McGraw Hill, 1998, ISBN 0-07-033121-9

10. *SAP R/3 Reporting and eBusiness Intelligence*, Thomas A. Curran, Andrew Ladd, and Dennis Ladd, Prentice Hall, 2000, ISBN 0-13-022615-7

11. *Enterprise Application Integration*, William Ruh, Francis Maginnis, and William Brown, John Wiley, 2001, ISBN 0-471-37641-8

12. *Enterprise Integration*, Kent Sandoe, Gail Corbitt, and Raymond Boykin, John Wiley, 2001, ISBN 0-471-35993-9

13. *SAP: An Executive's Comprehensive Guide*, G. Norris et al, John Wiley, 1998, ISBN 0-471-24992-0

14. *E-business and ERP*, M.G. Shields, John Wiley, 2001, ISBN 0-471-40677-5

15. *The E-business Workplace*, SAP and PricewaterhouseCoopers, John Wiley, 2001, ISBN 0-471-41830-7

16. *Introduction to ABAP/4 Programming for SAP*, Gareth M. de Bruyn and Robert Lyfareff, Prima Tech, 1998, ISBN 0-7615-1392-2

17. *Teach Yourself ABAP/4 in 21 days*, Ken Greenwood, SAMS Publishing, 1999, 0-672-31217-4

Exams and Quizzes:

■ Quizzes will generally be announced the previous class. A few quizzes may be surprise quizzes to test assigned reading for that day.

■ The exams may contain multiple choice, short answer, and problem-based questions. You will be expected to synthesize responses from lectures, cases, and terminology discussed in class for the exam.

COURSE OUTLINE

The following is our tentative schedule for the semester. The Instructor reserves the right to modify course schedule and/or procedures in the event of circumstances beyond her control.

Wk	Lecture Topic
1	Introduction - Course objectives and requirements
	Chapter 1. Business Functions, Processes and Data Requirements
2-3	Chapter 2. The Development of Enterprise Resource Planning Systems
4-5	Chapter 3. Marketing Information Systems and the Sales Order Process
6-7	Chapter 4. Production and Supply Chain Management Information Systems
8-9	Chapter 5. Accounting in ERP Systems
10-11	Chapter 6. Human Resources Processes with ERP
12-14	Chapter 7. Process Modeling, Process Improvement, and ERP Implementation
15	Chapter 8. ERP and Electronic Commerce

<u>EXAM   SCHEDULE</u>:

<u>MID TERM 1:</u>

DATE:
DAY:

TIME:

SYLLABUS:

<u>MID TERM 2:</u>

DATE:

DAY :

TIME:

SYLLABUS:

<u>QUIZ 1:</u>

DATE:
DAY:
TIME:

<u>QUIZ 2:</u>

DATE:
DAY:
TIME:

Good Luck *