

ERP & Business Processes - Information Systems (BCIS) 485 & 560, Location: BC 115

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Instructor: **Jennifer Kreie**E-mail: jkreie@nmsu.eduMy web page: <http://web.nmsu.edu/~jkreie>WebCT: <http://salsa.nmsu.edu/>Office: **Guthrie 206**Office Phone: **646-2990**Office Hours: MWF 9:00 AM -10:00 AM,
Tues. 12:30 PM -2:00 PM or by appointment

Classes: MWF 10:30-11:20, IS 485 (560), BC 115

MWF 12:30-1:20, IS 350 (540), BC 106

MW 2:30-3:45, IS 475 (595), BC 115

Textbooks and other materials

- SAP R/3 Enterprise Software: An Introduction by R. Hayen, McGraw-Hill, 2007.
- Concepts in Enterprise Resource Planning by E. Monk & B. Wagner, Thomson Course Technology, 2nd edition.
- ERP Simulation Game with mySAP by Leger, Robert, Babin, Pellerin, and Wagner. This is not available yet and will be published by HEC Montreal (a university not a book publisher). If publication is not finalized soon enough the authors will allow us to make copies of the draft version available for sale in the BC Lab.
- Fitter Snacker SAP exercises. Copies will be sold in the BC Lab and a couple of copies will be made available for check out in the BC lab. Estimated cost: \$40

Course Description - This course covers concepts in enterprise resource planning (ERP). The main focus of this course is to show how ERP systems integrate business processes across functional areas and support business management and performance analysis. For example, the sales order process includes recording an order, possibly scheduling production or purchases to fill the order, scheduling delivery, invoicing the customer and recording payment. Financial accounting, production and material management (supply chain management), marketing and human resources are functional areas affected by the sales order process and an ERP system integrates the flow of data and documents from one functional area to the next throughout the process. This course will also examine how ERP systems evolved from early computer systems and manufacturing, the implications of legislation, such as the Sarbanes-Oxley Act, for businesses with ERP systems and will evaluate the benefits and costs of implementing an ERP system. Example software, such as SAP, will be used extensively to illustrate how ERP systems work.

Prerequisite: IS 338 or IS 350 with a grade of C or better or by consent of instructor.

Course Objectives - The student who completes this course should know:

1. Business processes common to most businesses--order processing, inventory management, procurement, etc.
2. Master data common to most businesses--customer, vendor, inventory, etc.
3. Process modeling--creating diagrams to depict the sequence of tasks completed in a business process.
4. How a business process often spans different functional areas of the business: accounting, marketing, material management, etc.
5. How enterprise systems, such as SAP, integrate business functional areas into one enterprise-wide information system.
6. The issues involved in implementing an ERP system.

Quizzes and Exams - There will be 8-12 quizzes and two exams. The quizzes and exams will cover material from the textbooks, lectures, and assigned outside readings. Quiz/exam questions will be a combination of multiple choice and short answer and exams may include one or two essay questions.

If you miss an exam due to illness, work, or a university-sponsored activity, you must provide proper notification to the instructor as soon as possible. If no valid excuse is provided the student will receive a score of zero for the missed exam.

Individual Assignments - There will be several individual assignments using SAP given throughout the semester to enable each student to use example ERP software, such as SAP. There is a 20% late penalty per day for late assignments.

Team Work & Presentation - An important component of this course will be to set up and run a business using ERPSim (a simulation that runs live in SAP). The business will run for 4-6 quarters. At the conclusion of this simulation, each team will prepare a presentation to explain what strategic and operational decisions they made and why.

Attendance Policy - Attendance is important to doing well in this class, of course, but it is required during the execution of the simulation. Each person will have a role to play in their team's company and everyone must be present during the simulation run during those class times. The simulation will be run approximately 5 times (5 class periods). There will be a 5% penalty of the overall course points for each absence during the simulation runs (i.e. half a letter grade).

In addition to lecture and discussion there will be several hands-on exercises using SAP. If a student misses a class, it is up to the student to find out what was covered by talking to other students, getting someone's notes, and checking the class WebCT site. The student may get specific assignments from the instructor or ask the instructor specific questions after the students has reviewed the notes for the missed class.

Class Procedures - The teaching method for this course will include lecture/discussion, in-class exercises, and individual assignments. All individual assignments are to be done independently.

Online Procedures - Most of the course material will be available through the WebCT site for this class. Check the Handouts section, the Bulletin Board section, or the Oracle Designer section.

There are topics areas in the Bulletin Board (BB) section for the major topics of this course. If you have a question about an assignment, please post the question in the BB section where everyone can benefit from the information.

Students with Disabilities - If you have, or believe you have, a disability and would benefit from accommodations, you may wish to self-identify. You can do so by providing documentation to the Services for Students with Disabilities (SSD) Office located at Garcia Annex (Phone: Voice 646-6840, TTY 646-1918). If you are already registered with the SDD Office and need accommodations please provide your Accommodation Memo from the SSD within the first two weeks of class.

If you have a condition that may affect your ability to exit safely from the premises in an emergency or that may cause an emergency during class, you are encouraged to discuss this in confidence with the instructor and/or the Coordinator for SSD. Call 646-3333 with any questions about the Americans with Disabilities Act (ADA) and/or Section of the Rehabilitation Act of 1973. All medical information will be held in strict confidence.

Scholastic Dishonesty - Scholastic dishonesty will not be tolerated. The penalty for dishonest behavior can range from receiving a zero for an assignment or exam to censure from the University.

Point Distribution and Grades - The points possible for this course will be *approximately* as follows:

	Points	Estimated percentage of overall grade
Quizzes	100	18%
Exams	200	36%
Hayen - SAP exercises	40	7%
SAP exercises - Fitter Snacker and others	80	15%
SAP exercises in preparation for ERPSim <ul style="list-style-type: none"> ■ ERPSim master data ■ ERPSim business processes ■ ERPSim standard & custom reports 	30	6%
Company presentation (after ERPSim simulation)	100	18%
Total Points	590	

Grades will assigned as follows:

90% through 100%	A
80% through 89%	B
70% through 79%	C
60% through 69%	D
Below 60%	F