

**ERP & Business Processes - Information Systems (BCIS) 560****Classrooms: Guthrie 303 and Business Complex 103**

Instructors:

**Jennifer Kreie  
Jim Shannon**

Office &amp; Phone:

**Guthrie 206, 646-2990, Office hours: 3:30-4:15, Mon.-Thur.  
Guthrie 318, 646-4281, Office hours: 10-11 am, Mon.-Thur., 9-11 Fri  
Dr. Shannon will be in his office or in BC 309 (computer lab) d  
office hours.****Text**

- SAP R/3 Enterprise Software: An Introduction, R. Hayen, McGraw-Hill, 2007.
- ERP Simulation Game with mySAP ERP, Leger, Robert, Babin, Pellerin, and Wagner, draft (not yet published). Copies will be sold in the BC Lab. Approximate cost: \$5.00
- ERP Simulation User's Guide. Copies will be sold in the BC Lab. Approximate cost: \$1.50

**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 502 or ACCT 452 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 approximately 8 quizzes and one exam. The quizzes and exam 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 the exam will have at least one essay question.

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 given throughout the semester to enable each student to use example ERP software, such as SAP. All individual assignments must be completed. A student will not receive a passing final grade until all assignments have been submitted, even if the late penalty

reduces the points possible to zero. There is a 20% late penalty per day during a summer semester because of the compressed timeframe and 10% per day during the fall and spring semesters.

**Team Work & Presentation** - A significant 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 decision they made and why and what operational decisions they made and why during the simulation.

**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  | 120    | 27%                                   |
| Exam   | 100    | 22%                                   |
| Hayen - SAP exercises  | 50     | 11%                                   |
| SAP exercises  | 75     | 17%                                   |
| <ul style="list-style-type: none"> <li>• SAP navigation &amp; favorites</li> <li>• ERPsim master data</li> </ul> |        |                                       |

|   |     |     |
|---|-----|-----|
| • ERPsims business processes                    |     |     |
| • ERPsims standard & custom reports             |     |     |
| Company presentation (after ERPsims simulation) | 100 | 22% |
| <b>Total Points</b>                             |     |     |

Grades will assigned as follows:

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