Enterprise Resource Planning (ERP)

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Blackboard: http://learn.nmsu.edu/

Enterprise Resource Planning (ERP) - IS 485/560, Fall 2010, Room: GU 303, Day/Time: MW, 11:30-12:45
Office: Guthrie 206
Office Phone: 646-2990
Office Hours: Tues. 1:00-3:30, Fri. 11:30-12:30 (BC 115) or by appointment. I’m in my office a lot of the time outside of class.

Classes: MWF 10:30-11:20, BCIS 350/540 in BC 115
MW 11:30-12:45, BCIS 485/560 in GU 303
MW 2:30-3:45, BCIS 475/595 in GU 303

Textbooks and other materials
ERP Simulation Game Participants Guide by Leger, Robert, Babin, Pellerin, and Wagner, Pearson Publishing. This guide and the access code to the simulation are purchased from HEC (the university in Canada where the authors work). The cost should be between $40 and $50 US dollars (it can vary because of fluctuations in conversion rates). Instructions for acquiring the digital text and simulation registration code will be covered in class.

Everyone must pay for the digital text and get a simulation registration code. You cannot participate in the simulation without your registration code. If a student does not get the registration code before the fourth week of the semester (9/8), he/she will be withdrawn from the course.

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. An ERP system integrates the flow of data and documents from one functional area to the next. 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. This course uses a simulation that runs in SAP (the industry leader in ERP software).

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:

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

Quizzes and Exams - There will be 5-6 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 some individual assignments throughout the semester to enable each student to use ERP software, such as SAP, and to assimilate some of the concepts covered. Penalties for late assignments are shown below.

<table>
<thead>
<tr>
<th>Days Late</th>
<th>Late Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10%</td>
</tr>
<tr>
<td>2</td>
<td>15%</td>
</tr>
<tr>
<td>3</td>
<td>25%</td>
</tr>
<tr>
<td>More than 3</td>
<td>Not accepted for grading</td>
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</tbody>
</table>
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**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 7 or 8 quarters. At the conclusion of this simulation, each team will prepare a presentation to explain what strategic and operational decisions they made for their company and the reasons why.

**Attendance Policy** - Attendance is important to doing well in this class. Attendance is required on days when the simulation is run, when student teams must operate their business. Each person will have an important role to play in their team's company decisions. 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 Blackboard site. The student may get specific assignments from the instructor or get answers to specific questions after reviewing 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 Blackboard site for this class. Check the different links so that you can make full use of the available resources. The Discussion section in Blackboard will be used for the ERPsim simulation and as a central point to post general questions.

**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 SSD 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:

<table>
<thead>
<tr>
<th>Grade Component</th>
<th>Percentage of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Two exams</td>
<td>40%</td>
</tr>
<tr>
<td>Assignments (Subject to change.)</td>
<td>15%</td>
</tr>
<tr>
<td>Team Peer Evaluations</td>
<td>5%</td>
</tr>
<tr>
<td>ERPsim Performance</td>
<td>5%</td>
</tr>
<tr>
<td>Company presentation (after ERPsim simulation)</td>
<td>20%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
</tr>
</tbody>
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Grades will assigned as follows:

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