BCIS 495/565. Enterprise Systems Development
Section 01 Meets TR 2:35 – 3:50 p.m., BC 115

Instructor: Dr. Carlo A. Mora M.  Office: Guthrie 218
Office Hours: TR: 4:00 – 5:00 p.m.  Phone: 646-5044
or by appointment  LMS: http://learn.nmsu.edu

Course Description

This class focuses on technologies that enhance the capabilities of Enterprise Systems; namely SAP’s programming language, known as ABAP and on SAP’s Enterprise Information Portals. ABAP (Advanced Business Application Programming) is the foundation programming language for SAP and it is intended to be used to enhance SAP applications. Enterprise Portals (EP) is a framework for integrating information, people and processes across organizational boundaries using web-based technologies. This course covers concepts in EPs (e.g. SAP NetWeaver) and their wide range of options they provide to integrate ERP solutions, third-party applications, legacy systems, databases, unstructured documents, internal and external Web content, and collaboration tools.

Prerequisite: BCIS 485/ BCIS 560 or by consent of instructor.

Course Objectives

By the end of the semester, each student should:

- **Gain a basic knowledge** of ABAP and its development environment.
- **Understand the business processes** common to most businesses, including order processing, procurement, etc.
- **Understand how EPs provide a single centralized view** that span IT silos and organizational boundaries.
- How EPs allow companies to **take full advantage of information resources**.
- **How to use EPs to integrate** SAP solutions, third-party applications, legacy systems, databases, unstructured documents, internal and external Web content, and collaboration tools.

Suggested Textbooks

Although there will be no required textbook in the class, I will be using a number of technical textbooks as reference, including:

1. ABAP Basics, Gunther Farber and Julia Kirchner, SAP PRESS/Galileo Press, 2007.
3. Introduction to ABAP/4 Programming for SAP by Gareth M. de Bryun and Robert Lyfareff, Prima Publishing
Responsibilities

As your teacher I have the following responsibilities:
- Come prepared to every class.
- Plan my class so you can accomplish the objectives listed above.
- Treat you as responsible adults.
- Consider that it is not always your fault if you don’t understand the material.
- Encourage you to ask and answer questions.

As students you have the following responsibilities:
- Come prepared to every class.
- Complete all work on time with proper thought.
- Behave as responsible adults.
- Consider that it is not always my fault if you don’t understand the material.
- Treat others with respect.

Point Distribution and Grades

Scores for each category of points will be approximately weighted as shown below.

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<thead>
<tr>
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<th>Estimated Percentage of grade</th>
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<tbody>
<tr>
<td>Exams</td>
<td>50%</td>
</tr>
<tr>
<td>Labs</td>
<td>30%</td>
</tr>
<tr>
<td>Group Project</td>
<td>20%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100.00%</strong></td>
</tr>
</tbody>
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Grades will be assigned as follows:
- 90% through 100%       | A
- 80% through 89.9%     | B
- 70% through 79.9%     | C
- 60% through 69.9%     | D
- Below 60%             | F

Note: After all the material is graded, letter grades will be assigned as in the table above. I will do some rounding, but in the following manner: 89.444 is a B, no exceptions, but 89.445 will round to an A.

Labs. There will be a large number of labs to enforce the concepts discussed in class. These will be done using SAP related technologies. The purpose of the labs is to give you hands on experience on the topics discussed in class. **NOTE:** you must submit all the assigned labs in order to earn a grade for this class.

Exams. There will be two exams. They will cover material from the lectures and labs. Questions will be a combination of multiple choice and short answer. There might also include essay questions and hand-on exercises.

Group Project. The project will be completed in teams of 2 and will involve using the knowledge gain in class. Details of the project will be given later in the semester.

Class Procedures
The teaching method for this course will include lecture/discussion, in-class and out-of-class labs. All labs are to be done individually unless indicated otherwise.
General Policies

Attendance
You are expected to attend class. Although I will not take attendance, you cannot expect to have a thorough grasp of the material if you miss class. You are responsible for all material or assignments that are covered in class.

Getting help outside office hours
The Discussions section of CANVAS is an extension of my office hours. You are to post all technical questions here. I will not answer questions about homework in private e-mails. Make sure you use relevant subject headings for your postings. A good, descriptive subject heading will help other students learn from the answers to your questions. A subject heading of “Error” is not relevant. An example of a more relevant subject heading is “Help: Lab 5 step 20 gives me a different answer”.
If you are going to start a new topic, or ask a new question, make sure that you start a new thread. Continuing a previous thread with a new question will only ensure that most people miss your question. Be sure to include enough information in your question. For example, if you are getting a compilation error, make sure you list the compile line you used, the entire error message, and at least 10 source lines that precede the line about which the compiler is complaining. This will give me more information and thus, the more likely you will get a helpful answer. Do not wait until the last minute to post a question. I strongly encourage other students to post answers to questions they see on the Discussion Board.

Missing Exams
• Makeup Exams will be given only under extraordinary circumstances and the student must submit a legitimate excuse. Examples of legitimate excuses:

<table>
<thead>
<tr>
<th>If it is …</th>
<th>You have to bring a…</th>
</tr>
</thead>
<tbody>
<tr>
<td>Due to illness:</td>
<td>note from doctor</td>
</tr>
<tr>
<td>Due to business:</td>
<td>note from supervisor</td>
</tr>
<tr>
<td>Death in family:</td>
<td>note from family member and obituary</td>
</tr>
<tr>
<td>Other</td>
<td>on a case-by-case basis</td>
</tr>
</tbody>
</table>

Read carefully: I must be informed prior the exam to count as a legitimate excuse. If you cannot reach me, leave a message at the department’s office (646-4901) indicating time and date. Notifying me by email will not be sufficient. Notifying me after the exam will result in a grade of zero for that exam. Your excuse must be submitted to me and it must contain a telephone number so that your absence can be verified. Failure to follow the guidelines will mean that you forfeit the excused absence option.
If a student misses an exam without a legitimate excuse, s/he will receive a grade of zero for that exam.

Withdrawal Policy
Last day to Withdraw is Monday, March 12, 2013. In the case of a withdrawal, the course remains on the student’s transcript and the grade is listed as “W”. Students in the College of Business may withdraw from a class by presenting an add/drop slip to the staff in the Advising Center for processing, if it is received prior to the deadline. Until February 1, 2013, students may drop courses, in which case the course does not appear on their transcripts and there is no tuition charge. No faculty or department head signatures are required to drop a class. Students may drop a class on the web only until the last day to drop; they may also drop by taking a drop slip to the Advising Center.
Incompletes
A grade of "I" (Incomplete) will be assigned only in circumstances in agreement with the current NMSU Undergraduate Catalog (http://www.nmsu.edu/Academic_Progs/Undergraduate_Catalog/ch1/regulations.html). Incomplete grades are to be given only if a student has passed the first half of the course and is unable to complete the course due to circumstances beyond the student's control. (If the circumstances develop during the first half of the course, the student has the opportunity to drop the class). Examples of appropriate circumstances are documented illness, documented death or crisis in the student's immediate family and similar circumstances. The catalog states that job related circumstances are generally not appropriate grounds for assigning an "I" grade and that this grade is not to be used to avoid assigning a D, F, or U grade.

Academic Misconduct
All work submitted must be your original work. Any work done by groups of more than one (i.e., the work of two or more students is remarkably similar), or too similar to work of previous students will be construed as cheating. Your work must be kept private from others; should your work appear in the work of another student, both parties will be considered to have cheated; both will receive a failing grade for the course. Please refer to the Student Handbook (http://www.nmsu.edu/~vpsa/handbook.html) for a full description of the NMSU Policy. However, discussion of principles and approaches between class members is encouraged.

Students with Disabilities
Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:

Trudy Luken
Student Accessibility Services (SAS) – Corbett Center, Room 244
Phone: 646-6840 Email: sas@nmsu.edu
Website: www.nmsu.edu/~ssd/

NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. For more information on discrimination issues, Title IX or NMSU’s complaint process contact:

Gerard Nevarez or Agustin Diaz
Office of Institutional Equity (OIE) – O’Loughlin House
Phone: 646-3635 Email: equity@nmsu.edu
Website: www.nmsu.edu/~eeo

Professional Behavior Guidelines
Tardiness: Please arrive on time. If you are later than the start of the class, please quietly take a seat nearest the entrance.
Side Conversations: Side conversations make it difficult for your classmates to actively listen and learn.
Sleeping: falling asleep in class is not considered professional behavior. If you are feeling sleepy, please step outside the class for a minute, get a breather, and come back to class.
Inattention: Please do not read other material (chat, browsing the web, books) or study for other courses during the class. It is not polite. Please pay attention and join in the individual and group discussions. It will help you master the material.
Cell Phone: While there are a myriad of appropriate times and places to use one’s cell phone, during a class period is not one of them. Therefore, students are prohibited from using their cell phones during class, regardless of whether they are used for calling or for text messaging purposes. Cell phones should be turned off and stowed away at all times in the classroom. Cell phone use is strictly prohibited during examinations.

Laptop Computers: Students are free to use laptop computers for note taking purposes during class. If a student is discovered using his or her laptop for any other purposes, such as surfing the internet, that student will forfeit the opportunity to use his or her laptop for the remainder of the semester. Personal laptops are prohibited during exams.

Email: please use the CANVAS email system to communicate with your instructor for personal issues related to the course. Make sure to use proper netiquette when sending emails, including but not limited to:

- Use adequate subject line (e.g. lab -01 part 3 question).
- Use standard written English - capitalization, punctuation and paragraphing. This means you should not use text message or instant message speak. Proper communication standards also apply for any submitted work. For proper presentations and writing standards please refer to [http://business.nmsu.edu/students/survival-kit/](http://business.nmsu.edu/students/survival-kit/)
- Use a closing that indicates your real name or use signature block.
- When replying to an e-mail, start your reply at the top of the email.
- Failure to follow these simple rules will generally result in a non-response from the instructor.

You can expect a reply from me within 24 hours.

Note to BCS 565 Students

Students that have enrolled in the BCIS 565 (or any other 5XX number) course will be provided with additional opportunities to demonstrate their interest and expertise in the subject material for this course. The specific details will be provided to those students during the course. These opportunities will be undertaken with all the rigor and enthusiasm they deserve and that should be demonstrated by graduate students.

Miscellaneous Policies

- Although I will try to maintain the class schedule and objectives, I may need to make adjustments.
- I do not give additional projects to increase one’s grade before or after the exam(s).
- No food or drinks allowed in the lab.