BCIS 495/565. Section 01  
Enterprise Systems Development  
Class Meets TR 2:35 – 3:50 p.m., GU 303

Instructor: Dr. Carlo A. Mora M.  
Office Hours:  
W 2:00 p.m. – 4:00 p.m.  
or by appointment  
Online Office Hours Same as above. Refer to Canvas for details.

Office: Guthrie 218  
Phone: 646-5044

LMS: http://learn.nmsu.edu

Course Description

This class focuses on a survey of the current technologies that enhance the capabilities of the SAP Enterprise System, namely: ABAP and Mobile Development for SAP. ABAP (Advanced Business Application Programming) is the foundation programming language for SAP and it is intended to be used to enhance SAP applications. Mobile Development for SAP covers the latest technologies being used to allow access to enterprise information systems and data on mobile devices.

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

Course Objectives

By the end of the semester, each student should:

- Understand the business processes common to most businesses, including order processing, procurement, etc.
- Gain basic knowledge of the ABAP programming language syntax and its development environment to enhance the capabilities of an existing Enterprise System.
- Understand the current SAP mobile platform.
- How to use the SAP mobile platform to build apps.

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 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.

<table>
<thead>
<tr>
<th>Category</th>
<th>Estimated Percentage of grade</th>
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</thead>
<tbody>
<tr>
<td>Readiness Assessment Tests (rat)</td>
<td>10%</td>
</tr>
<tr>
<td>ABAP Labs</td>
<td>20%</td>
</tr>
<tr>
<td>Mobile Labs</td>
<td>20%</td>
</tr>
<tr>
<td>Exams</td>
<td>50%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100.00%</strong></td>
</tr>
</tbody>
</table>

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.

Readiness Assessment Tests (rat): There will be short Canvas based rats. These will be taken outside class time and they will be released at the beginning of each topic. The purpose of the RATs is to motivate you to read the material before it is discussed in class and to reinforce relevant topics. You will be allowed to take a RAT twice and the grade assigned will be the highest score obtained for a RAT.

Labs: There will be an extensive 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. Some of the labs will be done in class, while others will be done outside class time.

Exams: There will be three exams. They will cover material from the lectures and labs. Questions will be a combination of multiple choice and short answer, essay questions, and hands-on exercises.

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 otherwise instructed.
General Policies

Attendance
Students are expected to attend class. Attendance is not required but highly recommended. 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.

Communication
We will be using CANVAS extensively. All the material associated with the course will be available through CANVAS. This LMS offers many ways of communication and I will be using two:
- 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:
- Articulate the content of your message clearly. This means you should not use text message or instant message speak. Proper communication standards also apply for any submitted work. For proper writing standards please refer to http://goo.gl/HCZ0J5.
- Before you send an email, review the course’s content on Canvas. It is very likely that you can find an answer to your question(s) by examining this content.
- 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.

- The Discussions section of CANVAS is an extension of my office hours. Please post all technical questions here. I will not answer questions about labs 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: How do I implement an complete step 3 in lab02?”
- 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. 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. You can expect a reply from me within 24 hours.

Late Work Policy
- No makeup labs or labs allowed.
- Makeup Exams will be given only under extraordinary circumstances and the student must submit a legitimate excuse prior to the exam. Examples of legitimate excuses include:

<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.
Add/Drop Policy

Students may add courses thru **January 16, 2015** and drop/cancel courses thru **March 16, 2015** through MyNMSU self-service, or by using the add/drop slip (no signature required). Late registration fees will apply for courses added after **January 16, 2015**. The deadline for withdrawing from a full semester (15 week) course in the fall is **March 16, 2015**. Students may withdraw from the university (withdraw from all classes) until **April 17, 2015**.

Incompletes

A grade of "I" (Incomplete) will be assigned only in circumstances in agreement with the current NMSU Undergraduate Catalog [http://catalog.nmsu.edu/](http://catalog.nmsu.edu/). 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 and non-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://deanofstudents.nmsu.edu/student-handbook/](http://deanofstudents.nmsu.edu/student-handbook/) for a full description of the NMSU Policy.

Plagiarism. Plagiarism is using another person's work without acknowledgment, making it appear to be one's own. Intentional and unintentional instances of plagiarism are considered instances of academic misconduct and are subject to disciplinary action such as failure on the assignment, failure of the course or dismissal from the university. The NMSU Library has more information and help on how to avoid plagiarism at [http://lib.nmsu.edu/plagiarism/](http://lib.nmsu.edu/plagiarism/).

Because of the nature of this class, discussion of principles and approaches to solve a particular problem between class members is allowed.

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 you have questions or need an accommodation in the classroom (all medical information is treated confidentially), contact:

Trudy Luken, Student Accessibility Services (SAS) – Corbett Center, Room 244
Phone: (575) 646-6840
Email: sas@nmsu.edu / Website: www.sas.nmsu.edu

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, Title IX Coordinator
Agustin Diaz, Title IX Deputy Coordinator
Office of Institutional Equity (OIE) – O’Loughlin House, 1130 University Avenue
Phone: (575) 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.

Note to BCS 565 Students

Students that have enrolled in the BCIS 565 (or any other 5XX number) course might 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.