Enterprise Systems Development - An Introduction to ABAP (BCIS 495/565)
Spring 2011; Room: BC 115; Tuesday & Thursday @ 11:45-1:00 p.m.
Instructor: Jennifer Kreie
E-mail: jkreie@nmsu.edu
My web page: http://web.nmsu.edu/~jkreie
Blackboard: http://learn.nmsu.edu/
Office: Guthrie 206
Office Phone: 646-2990
Office Hours: Tues. 2:00-3:30, Thurs. 2:30-4:00, Fri. 1:30-2:30
or by appointment. I am in my office a lot of the time outside of class.
Classes: MW 10:00-11:15, BCIS 450/580 in GU 303
MWF 12:30-1:20, BCIS 350/540 in BC 115
MW 2:30-3:45, BCIS 475/595 in BC 115
TR 11:45-1:00, BCIS 495/565 in BC 115

A copy of the text book is in the BC lab and available for use while you’re in the lab. This and other ABAP books are available through support from Tyson Foods.

Course Description - This course teaches SAP’s ABAP Workbench for application development and the fundamentals of the ABAP programming language. Prerequisite: BCIS 485/560 or taken concurrently. If you withdraw from BCIS485/560 during the semester, you will be withdrawn from this course, as well.

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

- How to create programs in ABAP Workbench.
- How to create or modify transparent tables and other elements in the SAP database.
- How to use several features in the ABAP development environment: ABAP Dictionary, ABAP Editor, ABAP debugger.
- How to display output through the ABAP list viewer grid (ALV Grid).
- How to establish flow control between several program interfaces such as selection-screens and dynpros.
- Modular programming techniques using forms (procedures) and functions.
- Different environments in the development process: development, testing, and production.

Examinations - There will be three exams. The exams will cover material from the textbook and lectures and will include hands-on coding problems using ABAP. Exams will be a combination of multiple choice, short answer, and ABAP programming tasks.

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.

Assignments and Quizzes - There will be several assignments during this course in order to provide practice and help students learn the concepts and skills covered. Some in-class exercises may be used in which each student completes an exercise during class. These in-class exercises may be assigned to small groups of 2 or 3 students to encourage discussion and discovery. Quizzes may be given if it is necessary to motivate students to read assigned material before it is covered in class.

Late individual assignment will be accepted but there will be a 10% penalty for each day an assignment is late. Note: An assignment due at the beginning of class will have a 5% penalty if it is turned in at any time later that same day. Assignments more than 10 days late will be worth zero points.

Individual Project. Near the end of the semester there will be an individual project which will require more time and effort than assignments. This will pull together many of the skills students have developed during the semester.

Graduate Students - Graduate students will complete an additional component for this course. This material will be
made available by mid-semester. Graduate students will be required to take a quiz over this material. The quiz must be scheduled outside regular class time.

**Attendance Policy** - Attendance is important to doing well in this class. Lecture, discussion, and exercises are an essential part of learning the concepts and skills in this course. 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 ask the instructor specific questions after the students has reviewed the notes for the missed class. During the group project, attendance will be required because considerable in-class time will be given to teams to work on their project. Absentees will lose points for each absence.

**Class Procedures** - The teaching method for this course will include lecture/discussion, in-class exercises, and homework assignments. All individual assignments are to be done independently. Feel free to discuss problems and solutions but do not copy someone else's work or give your work to others.

**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 García 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></th>
<th>Est. % of Overall Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>25%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>25%</td>
</tr>
<tr>
<td>Individual Assignments &amp; Quizzes</td>
<td>30%</td>
</tr>
<tr>
<td>Individual Project</td>
<td>20%</td>
</tr>
</tbody>
</table>

**Total Points**

Note: 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 for an assignment to zero. Completed assignments that are too late to receive points must still be turned in by noon of the Friday before the final week of classes.

Grades will be assigned as follows:

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