

FAYETTEVILLE STATE UNIVERSITY
SCHOOL OF BUSINESS & ECONOMICS (SBE)
MIS 330-01: System Analysis and Design (WEB-enhanced)
Spring 2011

FSU Policy on Electronic Mail: Fayetteville State University provides to each student, free of charge, an electronic mail account (username@uncfsu.edu) that is easily accessible via the Internet. The university has established FSU email as the primary mode of correspondence between university officials and enrolled students. Inquiries and requests from students pertaining to academic records, grades, bills, financial aid, and other matters of a confidential nature must be submitted via FSU email. Inquiries or requests from personal email accounts are not assured a response. The university maintains open-use computer laboratories throughout the campus that can be used to access electronic mail.

Rules and regulations governing the use of FSU email may be found at
<http://www.uncfsu.edu/PDFs/EmailPolicyFinal.pdf>

II. Course Description:

This course provides an understanding of system analysis and development. It explains the SDLC (Systems Development Life Cycle) by leading students through detailed steps of Planning, Analysis, Design and Implementation. It provides the details for all activities of the planning and analysis phase and prepares students for the second course (MIS 331).

III. Disabled Student Services: In accordance with Section 504 of the 1973 Rehabilitation Act and the Americans with Disabilities Act (ACA) of 1990, if you have a disability or think you have a disability to please contact the Center for Personal Development in the Spaulding Building, Room 155 (1st Floor); 910-672-1203.

IV. Textbook:

Required Text Books:

1. Systems Analysis and Design, Dennis, Wixom, Roth, Wiley, 2009, ISBN: 978-0-470-22854-8, 4th ed.

This is a web-enhanced course. We use Blackboard as a tool for this purpose. Go to the university site (www.uncfsu.edu), under **Student Resources** click on **Blackboard Gateway** and then click on **login**. You need to have a user ID and password to log in. After you have logged in, select this course. You will see the course site. On this site you can get access to all course materials.

V. Student Learning Outcomes:

Upon completion of this course students should be able to:

1. Understand basic concepts of system architecture.
2. Understand basic concepts of Object-oriented systems.
3. Understand basic concepts of UML for system design.
4. Use concepts of data modeling to design a system database.
5. Analyze and design a realistic software system.

VI. Course Requirements and Evaluation Criteria:

Grading Scale - The final course letter grade will be assigned as follows:

90-100 = A 80-89 = B 70-79 = C 60-69 = D below 60 = F

Attendance Requirements – Students are required to adhere to the attendance requirements as per FSU attendance policy.

Graded Assignments & Value of Each Assignment - Students' final grade will be based on the following percentages:

| | |
|--------------------------------|------|
| Midterm Exam | 25 % |
| Final Exam | 25 % |
| Group Projects | 35 % |
| Individual Projects | 10 % |
| Class participation/Attendance | 5 % |

Policy on Missed or Late Assignments – No missed or late assignments will be accepted without prior permission.

Peer Evaluation: You may be required to submit a Peer Evaluation at the completion of the semester for the group work you did. You will rank each member of your group on various aspects of your group work. You will also assign a letter grade to each team member and justify your reason for this grade. The peer evaluation is to be submitted on the last day of class.

Academic Dishonesty: Plagiarism and cheating are serious offenses and may be penalized by failure on exam, failure in course, and/or expulsion from the University. For more information refer to the University Catalog.

Student Behavior Expectations: -The instructor will respect all students and will make every effort to maintain a classroom climate that promotes learning for all students. Students must accept their responsibility for maintaining a positive classroom environment by abiding by the following rules:

1. Students are expected to arrive to class on time, remain in class until dismissed by the instructor, and refrain from preparing to leave class until it is dismissed.
2. Student/teacher relationships, as well as relationships among peers, must be respectful at all times.
3. Students are not permitted to wear headphones or other paraphernalia that may be distracting to the classroom environment.
4. Students must refrain from any activity that will disrupt the class; this includes turning off cell phones and pagers.
5. Students are not permitted to use profanity or inappropriate language in the classroom.
6. Students will not pass notes or carry on private conversations while class is being conducted.

Consequences for Failing to Meet Behavioral Expectations: The first time a student violates one of these rules, the instructor will warn him or her privately, either after class or before the next class. (Faculty members reserve the right to warn students publicly if needed.) The second time a student violates the guidelines; the instructor may deduct as many as twenty points from the student's next exam grade. If a student violates the guidelines three times, the instructor will report the student to the Dean of Students for disciplinary action according to the FSU Code of Student Conduct.

VII. Tentative Course Outline and Assignment

| Week | Subject | Readings |
|---------|---|--|
| 1 & 2 | System Acquisition and Architecture Individual Project 1 | Dennis Text: CH7,8,Reference Article 1.1 |
| 3 & 4 | Object-oriented Systems Group Project 1 | Dennis Text: CH14 |
| 5& 6 | UML Individual Project 2 Midterm Exam | Dennis Text: CH14 |
| 7 & 8 | Data Modeling Group Project 2 | Dennis Text: CH6,11 |
| 9 & 10 | UML for Capturing System Behavior Individual Project 3 | Case Study Handouts 9.1 and 9.2 |
| 11& 12 | Measuring System Quality Group Project 3 | Reference Articles 11.1 and 11.2 |
| 13 & 14 | System Security Individual Project 4 | Reference Articles 13.1 and 13.2 |
| 15 | Group Project Workshop | |
| 16 | Group Project 4 Demonstrations | |
| 17 | Final Exam – refer to University's final exam schedule | |

* **Note:** Syllabus is tentative. Modifications may be made depending on students' skill level.

VIII. Teaching Strategies

This is a Web-enhanced course using Blackboard (<http://blackboard.uncfsu.edu/>). All class announcements and class materials such as syllabus, handouts, presentations, instructions, practice questions, and will be available on Blackboard. Please check Blackboard everyday to update your information. Weekly class discussions will be done through the discussion board. In addition, tests and quizzes may also be given online. Students are required to submit your assignment as instructed on the blackboard. The grade book on Blackboard posts all student grades associated with tests, assignments and other work related to this course.

Discussion of the related topics is an important part of this course whether online or in classroom. Meaningful discussion will be rewarded with points towards your grade.

We will use Microsoft Access 2007 extensively for this course. You will need to have access to this program for home works and completing the projects required for this course. If you don't have this program installed in your computer you need to make arrangements to access this program thorough the university labs and other resources.

IX. Bibliography

1. Ramakrishnan, Raghu and Gehrke, Johannes, "Database Management Systems," 3rd edition, Mc-Graw-Hill, 2002
2. Elmasri and Navathe, "Fundamentals of Database Systems", 5th edition, Addison Wesley, 2007
3. User Interface Design by Siegfried Treu (QA 76.9 U83 T74)
4. User Interface Evaluation by Siegfried Treu (QA 76.9 U83 T75)

FSU Class Withdrawal Policy (from FSU catalog):

Students may withdraw from individual classes until the deadline each semester, term, or session. (See [Academic Calendar](#) for specific dates.) Students who complete the class withdrawal process will receive a grade of W. Tuition and fees are not adjusted for withdrawing from individual classes. Students are required to earn at least 67% of their attempted hours each semester to maintain financial aid eligibility. Students who withdraw from more than 33% of their attempted hours in a semester will lose financial aid. Failure to attend class does not constitute official withdrawal from that class.

Students are permitted to withdraw from a maximum of five classes throughout their undergraduate career. After a student has exceeded this limit, the student must earn a final grade of A,B,C,D,F, or FN.