

Applied Software Development Project - Fall 2006
ACIS 5554 CRN 90173
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Course information and documents are available on Blackboard!

Class Hours: TU-TH 8:00-9:15 PAM 1008

Office Hours: TU-TH 9:30-10:30; TU 12:30-1:30

Please schedule appointments for other times.

Catalog Description:

ACIS 5554: Applied Software Development project

Application of system analysis, design, and implementation concepts, principles, and practices to a comprehensive system development project. A team approach is used to analyze, design, implement, and document realistic systems of moderate complexity. Use of project management methods, project scheduling and control techniques, formal presentations, walk throughs, and group dynamics in the solution of information systems problems. Development of a database to support the system. Prerequisites: 5524, 5534 (Advanced database and IS development).

Course Approach:

This class uses an active learning model where students will receive lecture material, participate in discussion, and conduct hands-on project to complement the learning activities. As a result, while the class includes some lecture material, learning also occurs through student leadership in class discussions, teamwork, and out-of-class preparation and work. You are expected to attend class and participate in discussions, and to ask questions. You will have access to substantive information from the assigned textbook, readings, and class lectures. However, substantial learning will also occur through the semester long software development project. All students are expected to participate equally in their projects.

Required Text:

Project Management: The Managerial Process, 3rd Edition, Gray, Clifford F. and Larson, Erik W., Irwin McGraw-Hill, 2006, ISBN: 0-07-297863-5.

Textbook Resources: http://highered.mcgraw-hill.com/sites/0072978635/student_view0/index.html

Other Required Readings:

Articles and cases will be provided on the Blackboard course website. Please refer to the class schedule for assigned readings. Additional assignments will be given in class.

Microsoft Project Software:

Bundled with the textbook comes a trial version (6 months) of Microsoft Project. You will be required to use it during the semester. If you buy a used textbook, please make sure to obtain a demo version or other version of Microsoft Project 2003. You will learn the software mostly on your own using the textbook tutorials available on the textbook's website (see required text above).

Grading Policy:

The course grade will be based on the following components:

Mid-term Exam	100
Final Exam	100
Project Progress Reports	55
Project Presentation	25
Class Participation	20
<u>Assignments</u>	<u>50</u>
Total Points for Semester:	350

Grades assigned as follows: A (>93%), A- (>90%), B+ (>87%), B (>83%), B- (>80%), C+ (>77%), C (>73%), C- (>70%), D (>60%), and F (<60%).

Mid-Term and Final Exams

The mid-term and final exams are comprehensive essay exams covering all materials, discussions, presentations, and readings for the class. The tests will be open notes, open book format. All tests must be written on a computer. No makeup exam will be given unless a documented physician approved medical condition occurs (not a visit to the Health Center!).

Project Progress Reports and Presentation

Throughout the semester students will be required to conduct a software development project. Regular progress reports will be required, together with a final report and presentation. More details are available on Blackboard.

Class Participation

Participation grades will be assigned to each student. This includes recorded attendance, participation in class discussions, and pre-class preparation. Full grades are only given to students who deserve them... do not expect a full participation grade if you do not attend class **and** do not participate in discussions. Participation includes having completed readings BEFORE scheduled class discussion.

Assignments

Assignments on the Silver Zuma Project from the textbook will allow you to practice your project management and Microsoft project skills. They will be collected throughout the semester.

Honor Code:

All university policies regarding cheating, **plagiarism**, falsification, nonattendance, and illnesses will be strictly applied. Read your catalog regarding these policies. **The Honor Code will be strictly enforced. Students copying directly from resource material without proper referencing will receive zero for their work, be assigned an "F" grade for the class, and be referred to the Honor court.**

Disability: If you suffer from a disability and would like to make arrangements for exams, assignments, or projects, please contact the instructor as soon as possible.

Tentative Outline¹

DATE	Topics	Readings / Actions
8/22-24 (week 1)	Introduction Project selection	Chapter 1 CASE South American Adventure Chapter 2
8/29-31 (week 2)	Organization and projects	CASE Jarvis Communications Corp. Chapter 3
9/5-7 (week 3)	Project definition	Chapter 4 CASE: Manchester (online discussion) Due: Preliminary Project Agreement
9/12-14 (week 4)	Project times and costs	Chapter 5 + Function Point Article Do: MS Project Tutorials 1-7, 15-16
9/19-21 (week 5)	Project plans	Chapter 6 CASE: Nightingale (online discussion) Do: MS Project Tutorials 8-13, 17-18 Due: Silver Zuma Part 1
9/26-28 (week 6)	Risks and resources	Chapter 7 Chapter 8
10/3-5 (week 7)	Project duration	Chapter 9 Due: Silver Zuma Part 2
10/10-12 (week 8)	Mid Term Exam (All material up to October 5)	
10/17-19 (week 9)	Project leadership	Chapter 10 CASE: Cerberus
10/24-26 (week 10)	Project team management	Chapter 11 Due: Progress Report 1 Do: MS Project Tutorials 19-21
10/31-11/2 (week 11)	Partnering International projects	Chapter 12 Chapter 15 Due: Silver Zuma Part 3 & 4
11/7-9 (week 12)	Progress and performance management	Chapter 13
11/14-16 (week 13)	Project audit and closure	Chapter 14 Due: Silver Zuma Part 5 and 6 Do: MS Project Tutorials 22-25
11/21-23 (week 14)	Thanksgiving Break	
11/28-20 (week 15)	Project management trends	Chapter 16
12/5 (week 16)	Project Presentations Due: Final Progress Report	

❖ The final exam is scheduled for 12/13 4:25 PM to 6:25 PM.

¹ This schedule is tentative. Any changes will be announced in class. If guest speakers replace scheduled lectures, students will be responsible for covering the material on their own.