

Syllabus - IS 410 Capstone Senior Project Design & Implementation

Section 1 – Winter Semester 2007 – GCB 143

TTH 2:00 – 3:20 PM – Course Credits: 3

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Office Hours: 12:30-2pm TTH, or email for appointment on MWF

VISION:

Advanced IS majors operating as a high-performance team will engage in and complete the design and implementation of a significant information system. Project management, management of the IS function, and systems integration will be components of the project experience.

SCOPE:

This course covers the factors necessary for successful management of information systems development or enhancement projects. Both technical and behavioral aspects of project management are applied within the context of an information systems development project.

TOPICS:

Managing the system life cycle: requirements determination, design, implementation; system and database integration issues; network management; project tracking, metrics, and system performance evaluation; managing expectations of managers, clients, team members, and others; determining skill requirements and staffing; cost-effectiveness analysis; reporting and presentation techniques; management of behavioral and technical aspects of the project; change management. Software tools for project tracking and monitoring. Team collaboration techniques and tools.

DISCUSSION:

This is the capstone course for IS majors who have completed the systems analysis and design sequences. It focuses on engaging in and completing a major system development project. Within the project context management of IS, systems integration is an explicit requirement for students to address. The project is a team effort and allows a final opportunity to practice personal and interdependence skills to ensure team member empowerment and success. Project management tools will be employed by the team to ensure tracking of the project and communication of project goals and accomplishments to the client. Automated development tools may or may not be used depending on available resources. However, standards will be developed for all project deliverables. Software quality assurance methodologies will be employed to ensure a successful outcome for the project. On-going presentation of project planning, analysis, design, conversion plan, and other documentation will be done by the team. Each team member should play a significant role in some aspect of presentation.

TEXT:

- None

RESOURCES:

- “7 Habits”, by Stephen Covey.
- Software, Handouts and Internet documents as deemed necessary to complete projects.
- Blackboard will be used for providing course information, course announcements, additional reading, grades, and submitting assignments using the DIGITAL DROPBOX.

CAPSTONE BUSINESS PLANS & IS PROJECTS:

The class will be divided into teams and each team create, plan, analyze, design, build, implement, and design training and maintenance for an IS project that must meet certain criteria.

- Each team is required to enter the Entrepreneurship Business Plan Competition (Due Feb 1st) with a unique IS Project.
- The rest of the semester will involve building and implementing you IS project.
- Besides typical IS Systems Development deliverables, your team will be asked to present time sheets, and reports.

**TENTATIVE SEMESTER SCHEDULE:
(Subject to Change)**

Week	Chapters Covered
1: Jan 11	Syllabus, Mgt Sys Model
2: Jan 16 & 18	
3: Jan 23 & 25	
4: Jan 30 & Feb 1	Business Plan & Presentation Due
5: Feb 6 & 8	
6: Feb 13 & 15	
7: Feb 20 & 22	
8: Feb 27 & Mar 1	
9: Mar 6 & 8	
10: Mar 13 & 15	
11: Mar 20 & 22	
12: Mar 27 & 29	
13: April 3 & 5	
14: April 10 & 12	
15: April 17	
16: April 24, 4-7pm	ISA Exam & Final Project Deliverables Due

FINAL EXAM:

None. All work is to be completed by the end of our final time, April 24, 2007 from 4-7pm.

- The ISA Final Exam may be scheduled for another time, such as a Saturday, or we may use the final exam time to take the ISA Final Exam – this will be determined later, but 10am will be the final time to turn in your Final Project. If a specific class conflicts with the ISA Final Exam date & time, please tell the instructor.

GRADING:

Since this is a new course, which is project-based, your grade will be determined by my evaluations of several criteria including, but not limited to, timesheets, weekly progress reports, project participation, team member evaluations, team leader evaluations, presentations to clients/stakeholders, the quality of project deliverables, and the “fit” between project deliverables and client requirements.

A 3.7-4.0 ave	B+ 3.3-3.5 ave	C+ 2.3-2.7 ave	Below 2.0 = Failed
A- 3.5-3.7 ave	B 2.7-3.3 ave	C 2.0-2.3 ave	
	B- 2.5-2.7 ave	*Note No C- or D grades will be given	

In addition to your ISA Final Exam score being incorporated into your final grade, **you must pass Parts 1 & 2 of the ISA Final Exam to qualify for a minimum final grade in the class:**

- 60% to be considered for an A.
- 50% to be considered for a B.
- 40% to be considered for a C.
- Below a 40% on the ISA, students will fail the course and retake the course.

No C- or D Grades will be given: You will only pass the class if you made at least a 2.0 grade average in this class. This class is an important foundation class of the IS major and for IS work in the real world. Therefore, you will fail the course if your grade for the course is less than 2.0.

Incomplete Grades: In deciding to give an incomplete grade, the policy of the university will be strictly enforced. This means that an incomplete will only be given in rare and extreme circumstances that are out of control of the students and that does not permit the student to complete the work of the course. This also means that a student signing up for “too many” courses or having “too much work” in other courses to successfully complete this course will not be considered a reasonable justification for requesting an incomplete. This also means that “forgetting” to register for a required course for graduation that then makes it impossible to graduate without adding the course as an independent study course will also not be considered for an incomplete grade. Students are expected to know their limitations, capabilities, and course requirements, and be responsible for either performing well enough to graduate or stay in school long enough to fulfill the requirements to graduate honorably.

Unofficial Withdrawals & Failing Grades: Students who register to take the course and do not officially withdraw from the course, yet fail to complete the course will be given an unofficial withdrawal (not a failing grade). Failing grades will only be given for students who complete the course.

PREVENTING SEXUAL HARASSMENT:

Title IX of the education amendments of 1972 prohibits sex discrimination against any participant in an educational program or activity that receives federal funds, including Federal loans and grants. Title IX also covers student-to-student sexual harassment. If you encounter unlawful sexual harassment or gender-based discrimination, please contact the Human Resource Services at 780-8875 (24 hours).

STUDENTS WITH DISABILITIES:

Brigham Young University-Hawaii is committed to providing a working and learning atmosphere, with reasonably accommodates qualified persons with disabilities. If you have any disability that may impair your ability to complete this course successfully, please contact The Students With Special Needs Coordinator. Reasonable academic accommodations are reviewed for all students who have qualified documented disabilities. If you need assistance or if you feel you have been unlawfully discriminated against on the basis of disability, you may seek resolution through established grievance policy and procedures. You should contact the Human Resources Services.