

Seattle Pacific University
School of Business and Economics

ISM 6231 Information Systems Project Management I

3 Graduate Credits
Fall 2010

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Class Times: Wednesdays 6:00 – 8:50 p.m., Sept. 29 – Dec. 8, 2010
Classroom: McKenna Conference Room
Office Hours: Mondays, Wednesdays: 3:00 – 5:30 p.m., and by appointment

Catalog Description

Introduces the first half of the traditional software development life cycle (SDLC), the techniques and tools used, and the project management methods for managing the activities of these stages. Includes feasibility, analysis, requirements and preliminary design. Explores the impact of the information systems architecture on these stages, as well as alternatives to the traditional SDLC. (from SPU Graduate Catalog)

Course Description

This course in the ISM program covers the development of IS projects from the initiation phase to the end of the requirements definition phase. Project management concepts as well as approaches and tools used in the different phases of the system development life cycle are analyzed and evaluated. You will have the opportunity to work in teams as you develop a system for a real customer.

Next quarter, in IS Project Management II, you may complete the system as well as examine further approaches to system development (e.g., object-oriented, rapid application development).

Course Objectives

In the MS-ISM program, students will learn to demonstrate mastery of the knowledge and skills necessary to be able to:

- Provide values based leadership in the planning, development, and management of information systems
- Effectively integrate information systems with business, strategies, processes and decision-making
- Evaluate the effects of information systems on organizations and personnel
- Assist in managing the organizational transitions brought about by information systems

This course will contribute to you achieving all four of these components. Specific objectives for this course are:

- Apply System Development Life Cycle (SDLC) processes and evaluate the impact of information systems by working on a real world project.

- Analyze different tools and approaches to decision making, project planning and management.
- Evaluate the impact of system development issues on managers, organizations and society along with related ethical, legal and social concerns--and their implications from a Christian perspective.
- Improve your oral and written business communication skills—particularly technical writing and professional presentation skills.
- Be acquainted with related computer and information systems publications and web resources.

Methodology

The course objectives will be achieved through your reading of the text, lectures, demos and class discussion as well as individual and group assignments. I expect you to read the related readings before class, so that we have a basis for the discussion and the application of the topic. The variety of backgrounds and experiences that you bring to the class will enrich us all.

Texts

- Alan Dennis, Barbara Wixom and David Tegarden, *Analysis and Design with UML Version 2.0: An Object-Oriented Approach*, 3rd edition, Wiley, 2009.
- Jack Marchewka, *Information Technology Project Management: Providing measurable Organizational Value*, 3rd edition, Wiley, 2009.
- Frederick Brooks, *The Mythical Man-Month: Essays on Software Engineering, Anniversary Edition*, 2nd Edition, Addison-Wesley Professional; 2 edition, 1995.

Popular Reading

Each quarter a popular book is chosen which is discussed in all ISM classes. This quarter the book is:

- Hunter, R., Westerman, G., *The Real Business of IT*, Harvard Business Press, 2009.

Blackboard

We will use the Blackboard system for web-based educational support, e.g., post PowerPoint, share information. You will also be able to use Blackboard to communicate with your group.

WWW Resources

There are a vast number of resources on the Web. We'll build a list together.

Related Journals in SPU Library

Academy of Management Journal, 1958-

ACM Transactions on Computer Systems

ACM Transactions on Information Systems, 1989-

Computer (IEEE), 1975-

IEEE Transactions on Communications, 1977-

Information Systems Management, 1991-

Journal of Management Information Systems, 1986-

Journal of Systems Management, 1980-

SAM Advanced Management Journal, 1972-

Journal of Data and Computer Communications, 1990-

ACM Computing Surveys, 1977-

ACM Trans. on Database Systems

Communications of the ACM, 1977-

IBM Systems Journal, 1976-

Information Systems, 1986-

MIS Quarterly, 1986-

Telecommunications, 1985-

Grade Distribution

The course will be graded on a straight percentage scale. Good work will receive a “B”. Work that is “above and beyond” will receive an “A”!

A	>95%	C+	>77%
A-	>90%	C	>74%
B+	>87%	C-	>70%
B	>84%	D	>60%
B-	>80%	E	<60%

Grading

Tool Review	100
Interview	100
System Development Project	500
Class Participation	100
Examination	200
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Total Points	1000

Assignments:

Tool Review (100 points)

Choose a web-based tool that can help in project management and/or system development. Provide a 10 minute formal presentation (PowerPoint) and a 1000 word report, analyzing and evaluating your tool, including cost, competing products, installation and adoption process.

Interview (100 points)

Interview a project manager to learn about approaches, issues and challenges in the real world. Let the person you interview reflect on material in our text books and concepts we have discussed in class. Also, ask the person to reflect on issues they have faced from a Christian, moral or ethical perspective. Provide a 5 minute report (no PowerPoint) to the class as well as a 1000 word analysis of your interview.

Class Participation (100 points)

Class contribution is an important part of your learning and evaluation. Students are expected to attend all classes and be prepared to contribute to the discussion by having read the assigned chapters prior to class time.

System Development Project (500 points)

In groups of 2 or 3 you will work on a project with a real external customer. For each phase your team will make a short professional presentation (audience is the project steering committee) and provide a written document following the outline provided. At the end of the quarter I will expect a confidential 500-700 word report from each group member, reflecting on the process and quality of each group member's (including your own) interaction and contribution.

- Find project/customer due: Oct. 6
- Project Planning Phase Report due: Oct. 27 (200 pts)
- Analysis Report due: Dec. 1 (200 pts)
- Team Evaluation due: Dec. 8 (100 pts)

Academic Integrity: The current edition of the SPU Undergraduate Catalog describes the University's commitment to academic integrity, which is breached by academic dishonesty of various kinds. Among these is turning in another's work as your own and committing plagiarism, which is the copying of portions of another's words from a published or electronic source without acknowledgement of that source. The penalty for a breach of academic integrity is a failing grade for the work in question on the first offense and a failing grade for the course as a whole with repeated offenses.

Emergency procedure: Note the emergency procedures posted in the classroom or laboratory, and note the emergency exits. In case of an emergency (fire, earthquake, hazardous material spillage, bomb threat, etc.), the class will evacuate the building and gather in the Ross Parking Lot. Please try to stay together so that we can check that everyone has made it safely out of the building.

Inclement Weather: The University maintains an Emergency Closure Hotline (206-281-2800). In the event of inclement weather or an emergency that might close the university, please call the Hotline for the most up-to-date closure information or check the SPU website.

Course Evaluation: I hope that you will participate in an online evaluation of this course and its instructor in a thoughtful and constructive manner. The evaluation data is used to make improvements in the course, and your feedback is considered when selecting textbooks, designing teaching methods and preparing assignments. Courses are evaluated using the Banner Course Evaluation System. All answers are completely confidential - your name is not stored with your answers in any way. In addition, I will not see any results of the evaluation until after final grades are submitted to the University.

Tentative Course Outline

Date	Topic	Text	Popular Reading
Sept. 29	Introduction, SDLC	1	
Oct. 6	Project Planning, System Feasibility	2	1-2
Oct. 13	Requirements Analysis	3,4	3-4
Oct. 20	Team Work		
Oct. 27	Project Planning / Feasibility Presentation	5	5-6
Nov. 3	Project Management – Mythical Man Month		7-8
Nov. 10	Project Management – PM Text Ch.1-5		9-10
Nov. 17	System Design Phase	6	
Nov. 24	Happy Thanksgiving		
Dec. 1	Analysis Phase Presentation		
Dec. 8	Final Examination		