

Information Analysis and Systems Design

Business Administration 362

Section: D100

Term: 2004 Spring

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Discussion Topics: Course Objectives:

To provide students with grounding in the methods and tools used in information system development projects and to provide experience in the area of interface design and project management.

Course Material and Lecture Notes:

Available at: <http://parker.bus.sfu.ca/bus362> . Most materials will be in html or Adobe Portable Document Format (PDF). The PDF format requires Adobe Acrobat 3.0 or later. See the web page for details on how to set this up.

Learning Objectives:

After completing this course the student should be able to:

- * Develop system requests and feasibility assessments
- * Create work plans for the management of system development projects
- * Represent features of information systems graphically using a variety of techniques including data flow diagrams, entity relationship diagrams.
- * Apply Unified Modeling Language (UML) diagrams including use cases, sequence diagrams, class diagrams, and statecharts to system analysis.
- * Understand issues in interface design, in particular, issues involved with design and maintenance of business web sites.

Teaching Methods:

The course is offered as an online course. This is, however, not a course offered through the Department of Distance Education. Students are expected to follow the weekly schedule and participate in the discussions starting in the second week. Each week there will be an introductory \214lecture\202 posting, followed by a dialogue introduced by the student group responsible for moderating the discussion. Students are expected to comment at least once per week on the discussion topics. At the end of the week there will be a wrapup of the material covered. The discussions will take place in a forum of approximately one half the class (i.e.

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there will be two discussion groups to keep the dialogue manageable).

The assignments will require students to learn and apply a technique related to the material under study. Students can mail, fax, email, or submit assignments in any agreeable format. Software will be recommended and demonstrated, and some will be made available either for download or in the Faculty of Business Administration labs, but will not be required to complete the assignments.

Grading: Online discussion and leadership 20%

Assignments 30%

Midterm 15%

Final 35%

Mid Term Exam:

The mid term will be comprised of short answer questions on the material covered in the first half of the course. It will be scheduled on campus but, in exceptional circumstances, arrangements may be made to accommodate persons studying remotely.

Final Exam:

The final exam is cumulative and will cover all chapters covered in lecture. The exam will be open book and will contain a mixture of short answer questions on the second half of the course and modeling questions based on a small case. A practice case will be discussed in the last week of classes. The final exam is worth 35% of the final grade.

Required Texts: Dennis, Alan and Barbara Wixon, 2003, Systems Analysis and Design, Second Edition, John Wiley and Sons, New York

ISBN: 0-471-07322-9

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite: BUS 237; 60 credit hours.

CMPT 101 is recommended.

Notes: No Tutorials in the first week of class

This outline is derived from a course outline repository database that was maintained by SFU Student Services and the University's IT Services Department. The database was retired in 2014 and the data migrated to SFU Archives in 2015.