BUS 391 Management Information Systems
Section 6, WF 8:10 AM - 10 AM
Spring 2014
California Polytechnic State University
Orfalea College of Business

General Information

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Course Description

A major role of information technologies is to provide solutions to business problems and to provide opportunities for firms by enabling increased productivity, quality improvement, and business process reengineering. An understanding of these technologies will assist you in your career by increasing your own personal productivity and by increasing your effectiveness in the development and use of organizational information systems. In this course, we will focus on information technologies from both a managerial perspective and a skill development aspect.

We will address the following questions:

- What is the role of information systems in organizations today?
- How can organizations convert data into information, and information into organizational knowledge?
- How can IS/IT provide a strategic advantage for organizations in a global competitive environment?
- How can IS/IT support managers, teams, and individuals in decision making?
- What are the implications of the changing role of information systems in organizations?

These questions will be addressed through lectures, in-class exercises, current topic discussions, and case analysis.

The hands-on component of the course will involve an understanding of the technologies used in business and the development of business applications using Microsoft Access, Excel, and Web development tools.

Course Objectives

The specific objectives of BUS 391 are to focus students' attention on the following:

- The role of information systems in organizations, particularly in business settings;
- The strategic opportunities afforded organizations through the effective use of IT;
- The specific components of an IT infrastructure including hardware, software, and databases;
- The role of IT and databases in supporting managerial decision making and knowledge management;
- The role of IT in defining emerging business models.
- Applying knowledge to identify opportunities and solve business problems.
- Effective participation in teams.

Required Course Materials

- **Custom Book: Business Driven Technology,** by Baltzan and Phillips. Published by McGraw-Hill Irwin. 5th Edition. ISBN 9780077815417

Grading

Grades will be determined based on performance on the following items. The weights are assigned as follows.

Mid-Term Exam:	25%
Final Exam:	25%
Attendance & Participation:	5%
Homework:	10%
Access Mini Project:	20%
Excel Mini Project:	10%
Web Site Mini Project:	5%

Final Grade:

A	94 - 100	**C**	73 – 76
A-	90 – 93	**C-**	70 – 72
B+	87 – 89	**D+**	67 – 69
B	83 – 86	**D**	63 – 66
B-	80 – 82	**D-**	60 – 62
C+	77 – 79	**F**	Below 60

You will have one week to contest a grade on an assignment or project. Otherwise, the grade remains. Please keep copies of all your homework assignments. All exam, assignment, and project grades will be out of 100 points, and then scaled by the above weights, and finally summed to comprise the final course grade.

Note: Do your own work. As a student at CalPoly, you have an obligation to abide by the university's honor code and the student computing policy. Any violation of this code will immediately be sent to the judicial board. Any plagiarism or cheating will result in an automatic failure (i.e., you will receive an "F" grade for the course).

Assignments

- **Midterm and Final Exams:** The two exams will test your grasp of important concepts introduced prior to each exam as well as your ability to apply these concepts to business situations. Exams will cover text and lecture material as well as concepts related to lab exercises. The exams will be **closed-book** and **closed-note**.
- **Reading Assignments:** Reading assignments will involve articles, online tutorials, and additional book chapters related to the concepts introduced during class lectures. Each student is required to read the articles and actively participate in the class discussions.
- **Homework:** Homework will involve lab activities using Microsoft Access, Excel, and Web development. Assignments are to be completed individually, not in groups. Homework will be assigned approximately once a week and will be due the following week. The homework assigned on a Tuesday is due on the following Tuesday before class, and the homework assigned on a Thursday is due on the following Thursday before class.
- **In-class exercises**: In most class meetings, students will work in small groups on assignments related to the materials discussed on that day.
- **Mini Projects:** Teams of 2 students will be formed to create a business to operate. During the course you will create a database (on MS Access), a decision support system (on Excel), and a web site (using a web development application of your choice) for your business.
- **Class attendance:** Students are expected to arrive on time and attend every class except for emergency. If a class is missed, it is the student's responsibility to obtain class notes, handouts, etc. Students are also expected to work on in-class exercises. Any use of emails, instant messengers, Internet, or materials not related to class work will result in a penalty reflected in your class participation grade.

Tentative Class Schedule (Subject to Change)

Date	Week	Topics	Readings	Assigned	Due
2-Apr	1	Introduction - Basic Database Theory			
4-Apr		Basic Database Theory Continued	Plug-in T6 (PolyLearn) & Chapts. 1 & 2	HW1	
9-Apr	2	Business Process	Plug-in B2 (PolyLearn) / Chapt. 7		
11-Apr		System Development Life Cycle	Plug-ins B14 & T5 (PolyLearn)	HW2	HW1
16-Apr	3	Computer Hardware and Software	Plug-in B3 (PolyLearn)		
18-Apr		Networks, Telecommunications and Wireless	Plug-ins B5 & T7 (PolyLearn)	HW3	HW2
23-Apr	4			Access Project	
25-Apr		Databases and Data Warehouses	Chapt. 6		HW3
30-Apr	5		Chapt. 8		
2-May			Plug-in T8 (PolyLearn)		
7-May	6	**Midterm Exam**			
9-May		Strategic Decision Making, Bus. Intelligence	Chapt. 9 / Plug-in B18	HW4	Access Project
14-May	7	Supply Chain Management (SCM)	Chapt. 10 / Plug-ins B8 & T2 (PolyLearn)		
16-May		Customer Relationship Management (CRM)	Chapt. 11 / Plug-ins B9 & T3 (PolyLearn)	Excel Project	HW4
21-May	8	Enterprise Resource Planning (ERP)	Chapt. 12 / Plug-in B10		
23-May		Excel Solver, Advanced Excel Functions	Plug-in T4 (PolyLearn)		
28-May	9	Intro to VBA in Excel and Macros	VBA Excel Intro (PolyLearn)	Web Project	
30-May		HTML & Sea Monkey	Chapt. 14		Excel Project
4-Jun	10	Simulations with Excel	See PolyLearn		
6-Jun		Class Wrap-up			Web Project
9-Jun	11	**Final Exam 7:10 AM - 10:00 AM**			