CPIS 602 Enterprise Models

Enterprise Information Systems
Fall 2013-2014

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Information below is subject to change and adjustment throughout the semester. Any changes made will be announced in class.

Required Textbook

Enterprise Systems for Management, *2012 Pearson Education*

Course Purpose and Student Objectives

This course will assess the role and discuss the implementation of Enterprise Information Systems (EIS) in modern organizations. Topics such as data quality and integrity, large scale system integration, and EIS portal development will be covered.

Goals: To enable students to be able to

- Identify key elements in EIS management.
- Understand the role of business processes within the context of EIS and engage in Business Process Modeling using a contemporary development tool.
- Engage in basic EIS development within a contemporary Composition Environment.
- Demonstrate understanding and critical thinking on important topics in contemporary EIS.
- Gain hands-on experience in working with contemporary EIS.
- Present various critical factors in EIS deployment in organizations.

Grading

Below is a *tentative* breakdown of grade element weights:

Element	Weight
Papers reading & discussion	15%
Term Paper	20%
Assignments	15%
Term Project	20%
Final Exam	30%

Grading Scale

Percentage	Letter
95-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
70-76	C
0-69	F

Article Papers and Discussion

A key focal point of this class is content developed and contributed by student effort. As this is a graduate-level course, students are expected to participate actively in course content development on an ongoing basis through participation in weekly discussions.

Each week an article will be assigned for reading (see table below). All students will prepare a 1 page paper based on the article.

Articles have been selected based on their relevance to class content. A diverse set of articles has been chosen from a wide variety of sources in order to provide opportunities to explore various perspectives. The articles represent contemporary peer-reviewed literature in this field.

Article Discussion

Each week a student will be designated to lead the class discussion on that week's paper and its overall topic. Article selection will be done randomly. You should read the source paper well in advance of the presentation. *Conducting an effective, interesting discussion will take time in preparation.*

The student is responsible for the following elements:

- Developing 3 discussion questions to be distributed to the class. These questions will be used by the class as a component in their written papers.
- Developing additional content to be used as a part of the class discussion.
- Leading the in-class discussion.

15-20 mins of class time will be designated for article discussion. You will be responsible to manage this time. This time will be broken down as follows:

- Approximately 5-10 minutes by the presenters giving a high-level overview of the article and the topic to be discussed. This phase of the discussion should end with a brief introduction to the next phase of the class session.

- Approximately 7 minutes to discuss the 3 questions provided in advance by the student. As a part of this discussion the presenters may wish to provide additional questions, activities, or similar for the class to take on.
- Approximately 5 minutes with the class discussing the article as a whole. It is expected that in addition to the questions already put to the class, additional material may be presented and additional questions may be posed.

3 Discussion Questions for Papers

The presenting team will formulate 3 discussion questions they wish the class to focus on in their paper preparation. These questions will be a key element of each student's written paper and also the in-class discussion time. **These questions must be made available to the class by 2:30 p.m. the Wednesday before the paper is due (this will allow a brief noting of the questions in class, time permitting). The questions should be posted to this email ambar@kau.edu.sa .** The questions developed and put to the class will be an important element in everyone's work and therefore the student should put thought and effort into the quality of these questions.

The questions may be ones that go beyond the specific content of the source article and require reflection or expansion on a broader theme. A poor question would simply call for the respondent to reply with material already in the article ("What first step did ACME take in implementing their ERP system?"). A good question requires the author to think about the material be presented in a broader context ("ACME's ERP implementation failure is blamed on 5 problems. Which of those problems was most critical and how could it have been resolved?" or "Based on your analysis of the narrative, what things did ACME do well in their implementation?" *Questions should be able to be answered in 1-2 paragraphs.*

Class Discussion

Discussion should realize that the audience has read and analyzed the paper prior to class, and their role is to lead a class discussion on elements that they and class find interesting, useful, controversial, or otherwise notable.

An exceptional discussion is one that features good content contributed by the discussion student and good interaction with the class overall. To achieve this, students will want to plan a good set of questions or other conversation starters to incorporate into their discussion. **This is not to be a presentation by the team but rather a discussion among the entire class.** Depending on the article selected for a given week, the student may choose to expand the class discussion beyond the universe of the article. As long as this is in keeping with the theme of the article, this is encouraged.

Paper Format and Content

A template of a properly formatted document for this assignment can be found here. Use this template to insure proper formatting. The template also provides insight on paper content. Note that the use of italics, underlining, bolding, multiple columns, margins, etc. should be just as shown in the sample document. The paper should be *1 page in length.* Content beyond one page will not be read.

Note that since the article will be discussed in class on the due date, article papers submitted after the class discussion will receive a more significant late penalty than would normally be applied to late work.

A grading rubric has been established for the paper and can be found here.

Since participation in the article discussion in class is such an important part of the overall weekly paper grade, students not present for class discussion will receive a deduction of 15% from their paper score.

Papers are due by midnight the day before the article will be discussed in class. Submission is via email ambar@kau.edu.sa .

Paper Schedule

Date	Article
	Carr, N. G. (2003). "**IT doesn't matter**.(information technology's changing role in business)." *Harvard Business Review* 81(5): 41(49).*
	McAfee, A., P. Kirschbauer, et al. (2008) "**IT Does Matter: How IT Ecosystems Help, Not Hinder, Productivity and Competitive Edge**"; "Turn What Makes Your Company Different into What Makes Your Company Great"; "Map Your IT Architecture to Your Business Processes"; "The IT Transformation Process". *SAP Insider***
	Wieder, B., P. Booth, et al. (2006). "**Impact of ERP systems on firm and business process performance**." *Journal of Enterprise Information Management* 19(1): 13-29.
	Ragowsky, A. and D. Gefen (2008). "**What makes the competitive contribution of ERP strategic**." *SIGMIS Database* 39(2): 33-49.
	Brehm, L. (2001). "**Tailoring ERP Systems: A Spectrum of Choices and their Implications**." *Proceedings of the 34th Hawaii International Conference on System Sciences*
	Demirkan, H., R. J. Kauffman, et al. (2008). "**Service-oriented technology and management: Perspectives on research and practice for the coming decade**." *Electronic Commerce Research and Applications* 7(4): 356-376.
	Dittrich, Y., S. Vaucouleur and S. Giff (2009). "**ERP Customization as Software Engineering: Knowledge**

Sharing and Cooperation." *IEEE Software* 26: 41-47.

Dorner, C., S. Draxler, V. Pipek and V. Wulf (2009). "**End Users at the Bazaar: Designing Next-Generation Enterprise Resource Planning Systems**." *IEEE Software* 26: 45-51.

Dreiling, A., M. Rosemann, et al. (2008). "**From conceptual process models to running systems: A holistic approach for the configuration of enterprise system processes**." *Decision Support Systems* 45(2): 189-207.

Erickson, J. and K. Siau (2008). "**Web services, service-oriented computing, and service-oriented architecture: separating hype from reality**." *Journal of Database Management* 19(3): 42(13).

Singh, A. and J. Wesson (2009). "**Evaluation criteria for assessing the usability of ERP systems**." *Proceedings of the 2009 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists*. Vanderbijlpark, Emfuleni, South Africa, ACM: 87-95.

Dillard, J. F., L. Ruchala, et al. (2005). "**Enterprise resource planning systems: A physical manifestation of administrative evil**." *International Journal of Accounting Information Systems* 6(2): 107-127.

Carr, N. G. (2005). "**The end of corporate computing: after pouring millions of dollars into in-house data centers, companies may soon find that it's time to start shutting them down. IT is shifting from being an asset companies own to a service they purchase**." *MIT Sloan Management Review* 46(3): 67(67).

Bibliography, Recommended Readings, and/or Supplemental Materials

The following is a sampling of some items used in class material presentation and assignments. These resources can be found in the Main Library's electronic resources.

ACM Transactions on Internet Technology

Computers & Operations Research

Computers in Human Behavior

Computers in Industry

Decision Support Systems

Expert Systems with Applications

IEEE Annals of the History of Computing

IEEE Computer

Information and Management

International Journal of Business and Systems Research

International Journal of E-Business Research

International Journal of e-Collaboration

International Journal of Enterprise Information Systems

International Journal of Information Management

International Journal of Intelligent Information Technologies

International Journal of Project Management

International Journal of Technology and Human Interaction

International Journal of Web Engineering and Technology

Journal of Cases on Information Technology

Journal on Database Management

SIGMIS Database

Document created on 9/15/2012

Document updated on 10/5/2012

Last update on 10/21/2013