St. Edward's University
MCIS 6309
Business Intelligence and Knowledge Management (BI & KM)
Summer, 2003

Location:	PEC 212
Date & Time:	Wednesday, 6:00 –8:50pm

Textbooks:

1. Moss, Larissa T.; Atre, Shaku: Business Intelligence Roadmap, Addison-Wesley, ISBN: 0-201-78420-3
2. Tiwana, Amrit: The Knowledge Management Toolkit, Prentice-Hall, ISBN: 0-13-009224-X

Course Description (from MS in CIS Course Catalog):

This course provides students with an overview of the most important fields in business intelligence and knowledge management. It covers Decision Support Systems (DSS), Expert Systems (ES), group support systems, neural networks and other contemporary intelligence tools, with an emphasis on selecting the right tool for any given job. Students gain hands-on experience using intelligence applications and tools.

Prerequisite: ISMG 5300, ISMG 6306

Course Objectives:

The goal of this course is to provide students with the ability to assess the status and importance of knowledge management and business intelligence applications. Students will learn how to design BI & KM strategies, and get insight into the process of implementing and deploying BI & KM applications. They will also use several tools during the course.

Upon completing this course the student will be able to:

- Understand the business relevance and technical basics of Business Intelligence (BI) systems.
- Have an overview and understanding of practical uses of BI and Knowledge Management (KM) systems.
- Justify, plan and analyze the use of Business Intelligence systems.
- Manage the design, implementation and deployment of BI systems.
- Design a Knowledge Management Strategy.
- Plan the implementation and deployment of KM initiatives
- Understand Knowledge Management technologies and have an overview of KM applications
- Understand the basics of Knowledge Systems (incl. Artificial Intelligence and Expert Systems)

Course Format:

Class time will be devoted to lectures, discussions, group projects, presentations, and software demonstrations. Lectures and discussions will cover the material from the textbooks and supplemental materials. Students will complete a group project during this course and present the results in class. Grades for the course will be based on assignments, classroom participation, group project and a research course paper.

General Requirements:

- Students are expected to have read the assigned material (from the textbook or provided online) before coming to class.
- Part of your grade will be based on class participation. It is essential that you be in class on time. If you will be unable to attend a class, please let me know as soon as possible.
- Formal written documents should follow the format described in the APA Publications Guide, 5th Ed. Failure to follow this format will affect your grade. See http://www.vanguard.edu/faculty/ddegelman/index.cfm?doc_id=796
- We will be using the Blackboard system for this course. All coursed materials will be posted on this system. I will also post course related announcements on this system. You will submit all homework assignments and your course paper online using the Blackboard Digital Drop Box. Due dates for each submission will be posted with the assignments. Late submissions will be penalized unless you have notified me of your situation before the deadline.

Class Policies:

Office Hours: I will be available at 5:30pm before each class. If you need to contact me at any other time, please use e-mail.

Academic Honesty: Appropriate student conduct is outlined in the Student Handbook. Any violations of these policies will be dealt with in the strictest manner possible according to the guidelines published in the handbook. All work submitted for grading should reflect your own work. Each student is expected to have contributed equally in the group project.

Special Accommodations: If you have a medical, psychiatric, or learning disability and require special accommodation or other requirement in this class, please let me know early in the semester or as soon as you are eligible. You will first need to provide documentation of the disability to the Student Disability Service Office located in Moody Hall 115 in Academic Planning Support.

Grading Policy:

Research Assignments: Assignments are due on the date specified. The research will be based on concepts covered in class as well as business cases studies. Grades will be based on the quality and relevance of the student's contributions. Each research assignment will be worth 8%.

Research Paper: The papers should be based on the course topics. They can take the form of a business proposal, research publication, or similar suitable format. The grades will be based on

the clarity and effectiveness of ideas, the relevance to the course, as well as creativity and innovation in the content.

Group Project: A group will consist of 3-4 people. Each project team will pick a sample company. The project objective it to develop a business plan for the introduction of KM and/or BI systems. More details will be provided in the class. Each project team will present their project to the class.

Late submissions will be penalized 20% per week. I will post all grades on Blackboard as soon as possible. Peer evaluation will cover the entire class, including classroom sessions, online contributions and group projects.

The final grade will be determined as follows:

Research Assignments (5 of them)	40%	A = 100 – 90
Group Project/Presentation	25%	B = 89 – 80
Course Research Paper	20%	C = 79 - 70
Class Participation	10%	D = 69 – 60
Peer Evaluation	5%	F = below 60

Tentative Class Schedule:

Date	**Subject**	**Textbook Readings**
May 14	Practical Examples of Business Intelligence & Knowledge Management Systems (Guest Speaker Bill Cahill)	
May 21	**Online Discussion:** BI & KM Definitions and Examples	
May 28	BI Overview	
June 4	Analysis and Planning for Business Intelligence	
June 11	Internal and External BI Systems	
June 18	Design and Development of BI Systems	
June 25	Knowledge Systems: Artificial Intelligence, Expert Systems, Reasoning	
July 2	KM Overview	
July 9	KM Strategy and HR perspective on KM	
July 16	KM System Design and Development, Technologies	
July 23	KM Deployment, Impact on Corporate culture	
July 30	Group Presentations & Peer Evaluations.	
Aug 6	Wrap-Up: Topic based on interest of class, details TBD during the course	