MIS 5529: DECISION SUPPORT SYSTEMS

SYLLABUS – SPRING 2009

Catalog Description

Information systems to support decision makers in organizations. This course focuses on influences of cognitive biases and group think on decision makers. Identification of both potential uses of information technology to support decision makers and potential effects of information technology on the decision making processes, and may include a number of computer-oriented assignments

Prerequisites

- Prior coursework in Information Systems or similar discipline.
- Admission to the MBA, MSA, or MPA programs or permission from an advisor or the course facilitator.
- Familiar with, effective skills in utilizing, and convenient access Microsoft Office applications (e.g. Word, PowerPoint, Excel, Access, FrontPage, etc.) or other equally functional applications.

Learning Objectives

The learning objectives of this course are to recognize, understand, and demonstrate proficiency associated with:

- The foundations and key issues of managerial decision making,
- The role of Decision Support Systems and Business Intelligence in assisting organizational decision making processes,
- The major frameworks of Decision Support Systems (DSS) and Business Intelligence (BI),
- Identifying and handling problems that may be effectively addressed through the use of DSS and BI, and
- Designing, specifying, and implementing effective Decision Support Systems and Business Intelligence applications

Performance

PARTICIPATION: Engage in discussions during meetings, on individual assignments, and on team projects. Execute all assigned accountabilities.

INITIATIVE: Conduct self-directed investigations into relevant topics in greater depth or breadth than can be addressed in the scheduled meetings.

CONTRIBUTION: Engage with the entire group by sharing interesting questions, results, and insights and by illustrating their relevance to the course subject matter and focus.

PRODUCTIVE COLLABORATION: Stimulate, cultivate, initiate and help manage multi-party activities to achieve common goals.

Facilitator

Gerald (Gerry) B. Williams
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816.419.9189 (direct)

Scheduled Meetings

1.	JAN 12	(M)	7:00pm - 9:45pm	
	JAN 19	(M)	MLK Holiday	
2.	JAN 26	(M)	7:00pm - 9:45pm	
3.	FEB 2	(M)	7:00pm - 9:45pm	
4.	FEB 9	(M)	7:00pm - 9:45pm	
5.	FEB 16	(M)	7:00pm - 9:45pm	
6.	FEB 23	(M)	7:00pm - 9:45pm	
7.	MAR 2	(M)	7:00pm - 9:45pm	
8.	MAR 9	(M)	7:00pm - 9:45pm	
9.	MAR 16	(M)	7:00pm - 9:45pm	
	MAR 23	(M)	Spring Break	
10.	MAR 30	(M)	7:00pm - 9:45pm	
11.	APR 6	(M)	7:00pm - 9:45pm	
12.	APR 13	(M)	7:00pm - 9:45pm	
13.	APR 20	(M)	7:00pm - 9:45pm	
14.	APR 27	(M)	7:00pm - 9:45pm	
15.	MAY 4	(M)	Final Examination	

Meetings Location: Bloch 5

Office Hours/Location:

Meeting outside of regularly scheduled class time will be arranged for mutually convenient times and locations on an as requested, as needed basis.

Policies

PROFESSIONALISM: All work is to be prepared and presented with professional quality.

ATTENDANCE: Attendance at all scheduled sessions is a precondition of success. Participants are expected to be prepared and on time for all scheduled meetings. When known and unavoidable schedule conflicts arise, participants are expected to notify team members and the facilitator in advance. When unknown and unavoidable conflicts arise, participants are expected to contact team members and the facilitator and as soon as possible. When avoidable conflicts arise, participants are expected to avoid them.

CLASS CANCELLATION: Cancellation of classes because of inclement weather is determined by UMKC central administration. Participants are expected to consult the UMKC website should threatening weather conditions exist.

EVALUATION: Participant evaluations will be based on observable outcomes from participant efforts in relation to the performance standards stated above. PARTICIPATION and INITIATIVE in addition to PROFESSIONALISM and ATTENDANCE define the minimum performance expectations to successfully complete the class. To the extent a participant exceeds or falls short of these standards, evaluations will be raised or lower accordingly. Participants will receive formal and informal feedback relative to their performance – from their peers and from the facilitator – on a regular basis. Specific evaluation details will be provided in the context of the required assignments and activities during regularly scheduled class periods.

DELIVERABLES: Participant deliverables will be accepted for consideration any time during the run of the course but will not be accepted after the conclusion of the last regularly scheduled meeting time on APR 27, 2009.

COURSE WITHDRAWAL: All course withdrawals must be initiated in the Bloch School Student Services Office, room 115, and completed through the Registration Center in the UMKC Administrative Center. Participants intending to withdraw from the course after the eighth week of class are required to obtain a signature of both the instructor and an academic advisor before the course withdrawal is official. *Telling the instructor that you intend to withdraw from the course or ceasing to attend class does not constitute an official withdrawal.* The academic calendar in the class schedule/registration guide lists the official withdrawal dates.

ACADEMIC HONESTY: A student enrolling in any UMKC course is expected to exhibit the highest standards of academic honesty. In the case of academic misconduct, the facilitator will assess the affected work and report the incident to Bloch School administration according to the guidelines printed in the University catalog. See student conduct policies: http://www.umkc.edu/umkc/catalog/html/append/policy/0020.html. Cheating and plagiarism are never tolerated.

MODIFICATION OF THE SYLLABUS: All course requirements, course grading standards, and deliverables for this course are subject to change at the discretion of the facilitator. Time and schedule considerations may prompt modifications of this syllabus (deletion of assignments/topics, modification of examination dates, etc.). The facilitator will explain any changes; however, it is the participant's responsibility to keep up with any modifications that are made throughout the semester.

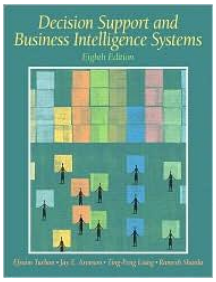
Services

BLOCH SCHOOL COMPUTER LAB: The Bloch School Computer Lab is available for your use. It is located in Bloch 110; the lab's website is: http://www.umkc.edu/is/oa/IS-Lab-Brochure.pdf

DISABLED STUDENT SERVICES: If you have any questions about a disability, or desire accommodations under the Americans with Disabilities Act, please contact the Office of Disabled Student Services 816.235.1083 or visit their website at http://www.umkc.edu/disability.

Course Materials and Resources

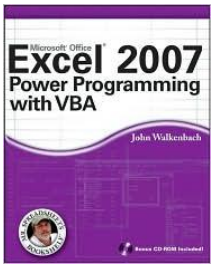
The following book is required reading for MIS 5529:



Decision Support and Business Intelligence Systems, 8e
Turban, Aronson, Liang, Sharda
Prentice Hall Professional Technical Reference, JAN 2007
ISBN-13: 9780131986602

Decision Support and Business Intelligence Systems is appropriate for all courses in Decision Support Systems (DSS), computerized decision making tools, and management support systems. It provides the only comprehensive, up-to-date guide to today's revolutionary management support system technologies, and showcases how they can be used for better decision-making. This completely revised and re-titled edition incorporates the expanded coverage of Business Intelligence and reflects the emphasis that most decision support courses are now taking.

The following book is a suggestion for participants that may elect to implement the course project using Microsoft Excel and VBA. This book is not required.



Excel 2007 Power Programming with VBA
John Walkenbach
Wiley, John & Sons, Incorporated, FEB 2007
ISBN-13: 9730470044018

Excel 2007 Power Programming with VBA is a single reference for Excel beginners, intermediate users, power users, and would-be power users. Fully updated for the new release, this latest edition provides comprehensive, soup-to-nuts coverage, delivering over 900 pages of Excel tips, tricks, and techniques. Thoroughly updated to cover the Excel 2007 interface, new file formats, enhanced interactivity with other Office applications, and upgraded collaboration features. Includes a CD-ROM with templates and worksheets from the book

SPRING 2009 SCHEDULE - MIS 5529: DECISION SUPPORT SYSTEMS

Session	Date	Time	Topics	**Deliverables**/*Activities*
1	JAN 12 (Monday)	7 - 9:45 pm	Introductions, Course Overview Course Accountabilities 1) Decision Support & Bus Intelligence	**TCP-1** (Text Content Presentation, Ch. 1) *TCP Sign-ups (round 1)*
	JAN 19 (Monday)	MLK Holiday	No Scheduled Meeting	
2	JAN 26 (Monday)	7 - 9:45 pm	2) Decision Making, Systems, Modeling and Support, 3) DSS Concepts, Methodologies, and Technologies: An Overview	**DS/BI Application: Description Briefs**
3	FEB 2 (Monday)	7 - 9:45 pm	4) Modeling and Analysis S) Essentials of Business Intelligence	**TCP-2, TCP-3** **DSS Overview Statement** *Application Development*

Session	Date	Time	Topics	**Deliverables**/*Activities*
4	FEB 9 (Monday)	7 - 9:45 pm	5) Data Warehousing 6) Business Analytics & Data Visualization	**TCP-4, TCP-S** **DSS Engagement Letter** *TCP Sign-ups (round 2)* *Application Development*
5	FEB 16 (Monday)	7 - 9:45 pm	7) Data, Text, and Web Mining 8) Neural Networks for Data Mining	**TCP-5, TCP-6** *Application Development*
6	FEB 23 (Monday)	7 - 9:45 pm	9) Business Performance Management 10) Collaborative Technologies and Group Support Systems	**TCP-7, TCP-8** **Requirements - Draft** *Application Development*
7	MAR 2 (Monday)	7 - 9:45 pm	11) Knowledge Management 12) AI and Expert Systems	**TCP-9, TCP-10** *Application Development*
8	MAR 9 (Monday)	7 - 9:45 pm	13) Advanced Intelligent Systems	**TCP-11, TCP-12** *Application Development*
9	MAR 16 (Monday)	7 - 9:45 pm	14) Intelligent Systems over the Internet	**TCP-13** **Specifications - Draft** *Application Development*
	MAR 23 (Monday)	Spring Break – No Scheduled Meeting		
10	MAR 30 (Monday)	7 - 9:45 pm	15) System Development and Acquisition	**TCP-14** *Application Development*
11	APR 6 (Monday)	7 - 9:45 pm	16) Integration, Impacts and the Future of Management Support Systems	**TCP-15** *Application Development*
12	APR 13 (Monday)	7 - 9:45 pm	17) Enterprise Systems	**TCP-16** **User Guide – Draft** *Application Development*
13	APR 20 (Monday)	7 - 9:45 pm	18) Knowledge Acquisitions, Representation, and Reasoning	**TCP-17** **DSS Application Review**
14	APR 27 (Monday)	7 - 9:45 pm	Projects Presentations	**TCP-18** *Application Development*
15	MAY 4 (Monday)	7 - 9:45 pm	Final Exam	**Project Delivery** *Requirements - Final* *Specifications - Final* *User Guide - Final*