MIS 5503 Syllabus



Content Area	Notes	Reference
Instructor Information		
Department	Management	
Name	Roger Alan Pick	
Contact Information	Phone: +1 (816) 235-2336	
	FAX: +1 (816) 235-6560	
	E-Mail: <u>pickr@umkc.edu</u> (preferred contact method)	
	D Wan. <u>prest e unite.edu</u> (preferred contact method)	
Class Meeting Time/Place	Monday 2:30 – 5:15 pm or Wednesday 7:00-9:45 pm	
	Bloch 101 (the older building)	
Semester Offered	Fall, 2014	
Instructor Office Hours and	Office: Bloch 237	
Office Location	Hours: by drop-in and by appointment.	
	riours. by drop in and by appointment.	
Catalog Information	·	
Subject/Curricular Designation	Management Information Systems (MIS)	www.umkc.edu/catalog
Catalog Number	5503	www.umkc.edu/catalog
Course Title	Management Information Systems	www.umkc.edu/catalog
Course Description	A survey of topics concerning information technology	www.umkc.edu/catalog
	management in the twenty-first century. The course examines	
	information technologies as they influence the structure and	
	processes of organizations, and economies, and as they	
	influence the roles and techniques of management.	
Credit Hours	1.5	www.umkc.edu/catalog
Prerequisites/Co-Requisites	Completion of or concurrent enrollment in the following	www.umkc.edu/catalog
	UMKC courses: Accounting 5501, Management 5502, and	
	Finance 5504.	
Restrictions/Exclusions		
Course Component (format)	Lecture Required	
Course Instructional Mode	Classroom Based	
Course Information		
Required and Recommended	A custom course book containing cases must be purchased	
Materials	from Harvard Business School Publishing for about \$24	
	(credit or debit cards accepted) and then downloaded. For an	
	additional charge, you may have a printed, bound coursepack	
	shipped to you. The link is as follows:	
	https://cb.hbsp.harvard.edu/cbmp/access/26445251. If you	
	have problems reaching the download site, try again in	
	fifteen minutes. If the problem repeats, contact Harvard	
	Business Publishing Customer Service at 800-545-7685 or	
	custserv@hbsp.harvard.edu. All students are expected to	
	purchase and read these materials, consisting of the	
	following cases:	
	• E. Warran McEarlan, Tala of Two Airlings in the	
	• F. Warren McFarlan, Tale of Two Airlines in the Network Age: Or Why the Spirit of King George is Alive	
	Network Age: Or Why the Spirit of King George is Alive	
	and Well, #302128	

	 Robert D. Austin, Warren Ritchie, Greggory Garrett, Volkswagen of America: Managing IT Priorities, #606003 Robert D. Austin, Jeremy C. Short, IPremier Co. (A): Denial of Service Attack, #609092 F. Warren McFarlan, Robert D. Austin, Caregroup, #303097 David A. Garvin, Rachna Tahilyani, MindTree: A Community of Communities, #311049 F. Warren McFarlan, Enabling Business Strategy with IT at the World Bank, #304055 	
Evaluation and Grading Criteria	Grading : The exams will be worth 50 points each. Each case discussion will be worth 10 points, with the lowest two dropped. Plus and minus grades are used on those relatively rare occasions when a student's numerical grade is on the boundary between two letter grade ranges.	
	Exams: There will be two 75-minute essay and short-answer exams. You may bring a single sheet of paper containing notes to assist you during the exam. This sheet can be no larger than 8.5 by 11 inches. The margins and font on this sheet may be as small as you wish. You may use both sides of the sheet. Essay examinations will be graded based upon both the answer and the amount of reasoning and facts given to support the answer. Exams will focus upon class lecture material and upon analysis of case studies. You are expected to do each exam on your own without assistance from anyone. Use of e-mail, chat, or similar facilities during an exam will result in a zero grade for the exam. The contents of the exam are to be considered as confidential material for one week: you are not to discuss exam contents until a week after the exam is administered.	
	Cases : There will be seven graded case discussions. Most are based upon actual managerial situations, but one is fictional. Preparing for these case discussions is <u>crucial</u> to your success in this class. The individual class participation grade is based upon the case studies. Immediately after each case discussion, I will note who was present, who spoke at all, and will subjectively judge whose participation was excellent. Students who never participate in class should not be surprised to learn that their class participation grade will seriously lower their overall grade in this course. If you are unsure how to begin participating, you can get started by looking at the financial situation of the firm (when the case provides the data), at the firm's website (when the case is not fictional or disguised), the rhetorical questions that appear at the beginning or end of many cases, or the questions in the course schedule below. The lowest class participation grade	

	 will be dropped. I plan on posting the discussion grades on the <u>Blackboard site</u>. On Effort: Just as is the case with salary determination in most workplaces, grades in this class will be determined by 	
	your performance rather than by your effort or needs.	
Schedule of Course Topics Covered, Assignments, Requirements and Assignment deadlines	See Below	
Student Learning Outcomes	 The goals of this course are fairly simple. By the end of the course, you as a future general manager should be able to demonstrate your knowledge concerning what an information system is, the characteristics of common types of information systems, how such systems are developed and delivered, and what can go wrong (both in the development process and with an operational system). You should know is the Information Systems functional area organized and governed, and what are the likely consequences of various governance mechanisms. Towards the end of the term, we will go in-depth on two specific types of systems that are receiving considerable management attention today: legacy systems and knowledge management systems. You will also be expected in this course to demonstrate certain critical thinking skills in analyzing case studies. You should be able to: Identify and explain context, issues, and stakeholders. Interpret information and data and thereby draw inferences. Frame personal point of view and acknowledge alternate perspectives. 	http://www.umkc.edu/assess ment/downloads/handbook- 2011.pdf http://www.umkc.edu/assess ment/index.cfm Nathan Lindsay, Assistant Vice Provost for Assessment 816-235-6084 lindsayn@umkc.edu
Course Expectations, Course Policies, Requirements and Standards for Student Coursework and Student Behavior	 Responsibilities: You have responsibilities to yourselves, your fellow classmates, and the professor. You are preparing for a career in business. You have a right to be treated professionally, and a responsibility to treat other people, both professors and fellow students, professionally. In particular: You are expected to attend class. Each student is responsible for all information covered in lectures, all announcements made in class, and all handouts distributed during class. If you do not attend class, you will not do well in this course. According to the July-August, 2010 issue of <i>Academe</i>, "By tolerating absenteeism, teachers ignore an obvious fact: class attendance significantly improves academic performance. 	

	 Even after controlling for student ability and prior interest in the course material, studies have demonstrated the robust relationship between attendance and academic performance. For example, grades of students who regularly attended large lecture courses were on average a full letter grade higher than those of students who attended only sporadically These and other studies strongly indicate that students should attend all class meetings if they want to maximize their grades," (page 26). Be prepared for and participate in class lecture and case presentation discussions activities. Please ask questions 	
	 when you don't understand the material and share comments with the class. If you make an appointment with me either keep it or call or email to cancel. For 2.5 hours, you owe it to yourself to pay attention to 	
	class: turn off your cell phones, turn off your pagers. No text messaging. No Facebook. No surfing the web. No email. I will not enforce this policy unless your behavior is blatant, but your grade will tend to suffer if you violate it.	
	• Members of this course are expected to treat each other with respect. During discussions, be patient with ideas that at first might seem weird, be patient with the other members of this course.	
	 Contribute to group in-class activities. You are also responsible for being aware of all assignments, due dates, and other course scheduling information. 	
	Cooperation : No form of cooperation during exams is allowed. You may not claim others' work as your own. If academic dishonesty is detected, you will receive a zero on the exam, and your case will be referred to the Vice Provost for investigation and possible disciplinary action.	
	Makeups : The fact that a class participation grade will be dropped takes into account the likelihood that over the course of a semester illness or a business trip will force you to miss class. Makeup examination can be scheduled during business hours during the week before or after the exam.	
	Incomplete : I am permitted to give incomplete grades to students who have been unable to complete the work of the course because of illness or serious reasons beyond their control. This work must be completed within one calendar year to avoid the incomplete grade lapsing to an F. You should bring up problems in advance when you can do so.	
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in Student Conduct Matters.	School of Nursing Honor Codes
Academic dishonesty, including cheating, plagiarism or sabotage, is adjudicated through the <u>University of Missouri Student Conduct Code</u> and <u>Rules of Procedures</u>	Codes School of Nursing Llonor
student work. Students have a special obligation to adhere to such standards.	<u>Codes</u> <u>School of Dentistry Honor</u>
honesty is essential for the intellectual life of the University. Faculty members have a special obligation to expect high standards of academic honesty in all	School of Medicine Honor
The Board of Curators of the University of Missouri recognizes that academic	School of Pharmacy Honor Codes
	http://www.umkc.edu/regist rar/acal.asp
es. In addition, instructors are encouraged to discuss aspects of these policies with s	tudents in their courses.
ence to the following policy information. Instructors may – 1) copy the exact languag	
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taking MIS 5558!	
5	
MIS 5503 focusing on skills a CIO needs: system	
2015 and subsequent springs. In effect, a continuation of	
MIS 5558 "Management of Information Systems" Spring,	
determine what features are needed?	
either the role of a developer or in the role of client/customer	
• • •	
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decisions and decision processes.	
business analytics in order to support improved management	
subsequent falls. Systems for analytical processing and	
MIS 5529 "Decision Support Systems" Fall, 2015 and	
MIS elective classes:	
Code, section 200.010, Collected Rules and Regulations of the	
this direction may constitute a violation of the Student Conduct	
so without my express written consent. Failure to comply with	
	/ch200/200.010_stan dard_of_conduct
	ected_rules/programs
Power Point slides, Blackboard screen shots, class hand-outs, and	m.edu/ums/rules/coll
	course syllabi are my intellectual property and are protected by copyright law. You may download and make copies of my course materials for your own use. You are not allowed to publicly reproduce or distribute these materials, or enable others to do so without my express written consent. Failure to comply with this direction may constitute a violation of the Student Conduct Code, section 200.010, Collected Rules and Regulations of the University of Missouri. This course is only the briefest of introductions to the Information Systems functional area. For information & announcements about the Management of Information Systems emphasis area within the UMKC MBA degree, visit the file located at http://p.web.umkc.edu/pickr/mismba.htm. For greater depth in this area, we plan to offer the following MIS elective classes: MIS 5529 "Decision Support Systems" Fall, 2015 and subsequent falls. Systems for analytical processing and business analytics in order to support improved management decisions and decision processes. MIS 5552 "Data Base Management" Summer, 2015 and subsequent summers. Covering design and administration of databases for transaction processing and analytical processing. MIS 5554 "Systems Analysis, Design, and Engineering" Summer, 2016 & subsequent summers. An overview of system development that focuses on the requirements analysis portion of software development: how do you in either the role of a developer or in the role of client/customer determine what features are needed? MIS 5558 "Management of Information Systems" Spring, 2015 and subsequent springs. In effect, a continuation of MIS 5503 focusing on skills a CIO needs: system acquisition, supplier relations, funding information technology (IT), impact of IT on productivity, and IT architecture. If you liked how I ran MIS 5503, consider taking MIS 5558!

	university. The policy is described fully in Section 200.015 of the Collected Rules and Regulations. In this class, students may make audio or video recordings of course activity unless specifically prohibited by the faculty member. However, the redistribution of any audio or video recordings of statements or comments from the course to individuals who are not students in the course is prohibited without the express permission of the faculty member and of any students who are recorded, including those recordings prepared by an instructor. Students found to have violated this policy are subject to discipline in accordance with provisions of Section 200.020 of the Collected Rules and Regulations of the University of Missouri pertaining to student conduct matters.	
Attendance Policy	Students are expected to attend and participate in classes. Advance notice of attendance policies of academic units and individual instructors should be given, and such notice should be in writing. Students should notify instructors of excused absences in advance, where possible. Students who have an excused absence are expected to make arrangements with instructors for alternative or make-up work. Such arrangements should be made in advance of the absence, where possible. Instructors should accommodate excused absences to the extent that an accommodation can be made that does not unreasonably interfere with the learning objectives of the course or unduly burden the instructor. Attendance policies shall be applied in a non-discriminatory manner.	http://www.umkc.edu/catalo g/attendancepolicy
Campus Safety	It is possible that it may be necessary to cancel class due to inclement weather or some other emergency. This class will meet if UMKC is open; conversely, if UMKC is closed, this class is canceled. Students who are unable to attend class during bad weather when the class has not been canceled should send email or call and leave a message indicating this. If class is canceled due to any reason, all activities scheduled for the canceled session will take place during the next class meeting including exams. Changes in activities for subsequent classes will be announced. If UMKC cancels or closes the campus at the time of your scheduled final exam, the final exam will also be cancelled,	http://www.umkc.edu/umkc alert/ http://www.umkc.edu/police Police: 816-235-1515 or 911
Disability Support Services	and your course grade will be determined by your accumulated points. To obtain disability related accommodations and/or auxiliary aids, students with disabilities must contact the Office of Services for Students with Disabilities (OSSD) as soon as possible. To contact OSSD call 816-235-5696. Once verified, OSSD will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. For more information go to: http://www.umkc.edu/disability/.	<u>http://www.umkc.edu/disabi</u> lity/
English Proficiency Statement	Students who encounter difficulty in their courses because of the English proficiency of their instructors should speak directly to their instructors. If additional assistance is needed, they may contact the UMKC Help Line at 816-235-2222 for assistance.	
Grade Appeal Policy	 Students are responsible for meeting the standards of academic performance established for each course in which they are enrolled. The establishment of the criteria for grades and the evaluation of student academic performance are the responsibilities of the instructor. This grade appeal procedure is available only for the review of allegedly capricious grading and not for review of the instructor's evaluation of the student's academic performance. Capricious grading, as that term is used here, comprises any of the following: The assignment of a grade to a particular student on some basis other than the performance in the course; 	http://www.umkc.edu/catalo g/gradeappeals

	 The assignment of a grade to a particular student according to more exacting or demanding standards than were applied to other students in the course; (Note: Additional or different grading criteria may be applied to graduate students enrolled for graduate credit in 300- and 400-level courses.) The assignment of a grade by a substantial departure from the instructor's previously announced standards. 	
Discrimination Grievance Procedures for Students		http://www.umsystem.edu/u ms/rules/collected_rules/grie vance/ch390/grievance_390. 010 http://www.umkc.edu/divers ity/documents/complaintpro cess.pdf
Statement of Human Rights	The Board of Curators and UMKC are committed to the policy of equal opportunity, regardless of race, color, religion, sex, sexual orientation, national origin, age, disability and status as a Vietnam era veteran. Commitment to the policy is mentored by the <u>Division of Diversity</u> , Access & Equity, but it is the responsibility of the entire university community to provide equal opportunity through relevant practices, initiatives and programs.	Division of Diversity, Access & Equity 5115 Oak Street (816)235- 1323 Fax:(816)235- 6537 umkcaffirmativeaction@umk c.edu http://www.umkc.edu/divers ity/index.asp

SCHEDULE AND ASSIGNMENTS:

Date Monday afternoon or Wednesday evening	Lecture Topics Lecture outlines will be posted on the <u>Blackboard</u> <u>site</u> . This will typically happen a few minutes before class.	<u>Reading Assignment</u> Unless noted otherwise, scientific papers are available for download from a <u>UMKC Library</u> database.	<u>Case Assignment</u> All cases are based upon actual managerial situations unless noted otherwise. YOU SHOULD READ CASES BEFORE CLASS!
8/25 or 8/27	An overview of major types of information systems; Course policies. A range of models of IT governance. Centralization versus Decentralization.	Syllabus (to be handed out and reviewed during class). Review materials from MGT 5502 (last year for most of you) so you can discuss in class next time the qualities of a leader. Koch, "IT Governance Strategies from State Street, 3M and Others" available at cio.com (September 15, 2002); Schwartz, "IT Governance Definition and Solutions" available at cio.com (May 22, 2007).	"Two Airlines" Are the professor's assumptions about the airlines' IT capabilities reasonable? How do you ensure that customer service at a branch operation will be as good as that provided at a headquarters or hub operation?
9/1	No class meeting: watch video on Blackboard site.	Landry & Koger (see 9/3). IT Operations Risks; Disaster Recovery and Business Continuity Planning; IT Leadership;	
9/3	IT Operations Risks; Disaster	Landry & Koger, "Dispelling 10 Common Disaster Recovery	"Volkswagen" Who should set IT priorities at Volkswagen of

	Recovery and Business Continuity Planning; IT Leadership;	Myths," <i>ACM Journal on</i> <i>Educational Resources in</i> <i>Computing 6,4</i> , December, 2006. This article is in the <u>ACM Digital</u> <u>Library</u> at UMKC libraries.	America? What do you think of the new priority-setting process?
9/8	2 cases		"Volkswagen" Who should set IT priorities at Volkswagen of America? What do you think of the new priority-setting process?
			"IPremier" - fictional case but everything that happened to iPremier has happened to somebody. How well did the iPremier Company perform during the attack? If you were Bob Turley, what might you have done differently during the attack? Were the company's procedures deficient in responding to this attack? How might they have been better prepared? What should they do to prepare for another such attack? In the aftermath of the attack, what would you be worried about? Was the preoccupation with stock price appropriate? What actions would you recommend?
Monday section students: after the 8 th and before the 22 nd , outside of class.	Watch video lectures on systems development.	Kay, "QuickStudy: System Development Life Cycle" <i>Computerworld</i> , May 14, 2002. (http://www.computerworld.com/s/ar ticle/71151/System_Development_Li fe_Cycle) Highsmith & Cockburn, "Agile Software Development: The Business of Innovation," <i>IEEE</i> <i>Computer</i> , September, 2001, 120 – 122; available in <u>IEEE Xplore</u> database at UMKC libraries.	
9/10	Systems Development Overview; The Waterfall Model, Agile Methods, and open source.	Kay, "QuickStudy: System Development Life Cycle" <i>Computerworld</i> , May 14, 2002. (http://www.computerworld.com/s/ar ticle/71151/System Development Li fe_Cycle) Highsmith & Cockburn, "Agile Software Development: The Business of Innovation," <i>IEEE</i> <i>Computer</i> , September, 2001, 120 – 122; available in <u>IEEE Xplore</u> database at UMKC libraries.	"IPremier" - fictional case but everything that happened to iPremier has happened to somebody. How well did the iPremier Company perform during the attack? If you were Bob Turley, what might you have done differently during the attack? Were the company's procedures deficient in responding to this attack? How might they have been better prepared? What should they do to prepare for another such

9/15 or 9/17	Information Systems' Development Risks	McLeod, L., & MacDonell, S. G. (2011). Factors that affect software systems development project outcomes: A survey of research. <i>ACM Computing Surveys</i> (<i>CSUR</i>), 43(4), 24. Read Section 8 only. This article is in the <u>ACM Digital Library</u> at UMKC libraries.	attack? In the aftermath of the attack, what would you be worried about? Was the preoccupation with stock price appropriate? What actions would you recommend? "CareGroup" How could the operational outage at CareGroup been prevented? Was the situation handled appropriately? Moving forward, what changes should they make?
9/22 or 9/24	Exam 1	You may bring and refer to a single letter-sized sheet of notes. You may use both sides, and there are no restrictions on size of margins or the font. This exam will have a 75-minute time limit.	Read <u>two</u> articles as a basis for case study discussions: H. Goldstein, "Who Killed the Virtual Case File?" <i>IEEE Spectrum 42,9</i> (September, 2005) pp. 24-35. (in UMKC library in IEEE Xplore database under DOI <u>10.1109/MSPEC.2005.1502526</u>) and R. Stross, "Billion-Dollar Flop: Air Force Stumbles on Software Plan," <i>New York Times</i> (December 8, 2012) p. BU3. On the web at <u>http://www.nytimes.com/2012/12/09</u> /technology/air-force-stumbles-over- software-modernization- project.html?smid=pl-share . Is it realistic to think that the cost of these project failures could have been lower? For each project, when should the project managers have realized that things were not going well?
9/29 or 10/1	Knowledge Management	Davenport, T. H., David, W., & Beers, M. C. (1998). Successful knowledge management projects. <i>Sloan management</i> <i>review</i> , 39(2), 43-57; available in <u>Proquest ABI/Inform</u> at UMKC Libraries.	"Mindtree" What has Mindtree done to encourage creation and sharing of knowledge? How must knowledge management at Mindtree change in order to be more supportive of innovation and new business development?
10/6 or 10/8	Legacy Systems	Bisbal, J., Lawless, D., Wu, B. & Grimson, J. (1999). Legacy Information Systems: Issues and Directions. <i>IEEE Software</i> , <i>16</i> , 103- 111; available from UMKC library in the <u>IEEE Xplore</u> database	"World Bank" What are the challenges of implementing a knowledge management system? How different is World Bank from other enterprises? Are its IT needs unique? Does the global nature of World Bank make managing it more difficult? How?

10/13 or 10/15	Exam 2	You may bring and refer to a single letter-sized sheet of notes. You
		may use both sides, and there are
		no restrictions on size of margins or
		the font.

Sources: Some of the policies and practices described in this syllabus come from the ideas of other professors. My sources are UMKC Provost's website, Dr. Bruce Bubacz of UMKC, Ms. Doranne Hudson of UMKC, Dr. Duane Truex of Georgia State University, Dr. Harvey Brightman of Georgia State University, Dr. Yezdi Bhada of Georgia State University, Dr. Arthur H. Gilbert of Northeastern State University, and Dr. William Friedman of University of Central Arkansas. Pieces of this syllabus may have been taken from these sources and used literally.

- For more information about my qualifications, publications, research program, and hobbies, visit my website at http://p.web.umkc.edu/pickr/ .
- An updated copy of this syllabus will be available on Blackboard, <u>http://umkc.edu/blackboard</u>.

Contact me at <u>pickr@umkc.edu</u>; or Bloch School of Management, University of Missouri - Kansas City, 5110 Cherry Street, Room 237, Kansas City, MO, 64110-2499 US; or (816) 235-2336. Last Updated: 16 September 2014 © Copyright 2011 – 2014, Roger Alan Pick.