

Course	ITM 5900-KE – Issues in Information Technology Management
Term	Spring 2, 2008, Lackland AFB, Texas
Instructor	Dr. Aaron DeWispelare (W) 210.522.6072, (H) 830.981.2357 adewisp@webster.edu ; adewispelare@swri.org
Catalog Description	Current and significant issues in information technology management are examined. The course focuses on existing theories and practices with emphasis given to new and emerging topics in the field. Course may be repeated for credit if content differs.
Prerequisites	ITM 5000 – Information Technology Management - Overview
Course Level Learning Outcomes	After completing this course, students will: <ul style="list-style-type: none"> • Be conversant about current IT topics and their associated challenges. • Be able to demonstrate an understanding of the fundamentals of database management systems. • Be able to demonstrate an understanding of database logical and physical modeling. • Be able to demonstrate an understanding of database design and evaluation concepts, as well as a familiarity with structured query language (SQL). • Be able to demonstrate an understanding of database administration.
Materials	REQUIRED TEXT(S): <u>Modern Database Management</u> , eighth edition Authors: Hoffer, Prescott, and McFadden Publisher: Prentice Hall ISBN: 0132212110 Additional Sources: The text publisher’s web site at http://wps.prenhall.com/bp_hoffer_mdm_8/0,12126,3390077-,00.html
Grading	<ul style="list-style-type: none"> • Project 25 % • Case 15 % • Mid Term Exam 27.5 % • Final Exam 27.5 % • Class Participation 5 %
Activities	Case Exercise: Each student will complete and present a feasibility analysis of a provided case. This assignment is to be accomplished outside of class. A written and oral summary will be presented during the term. Additional guidance will be handed out in class. Project: Each student will accomplish an assigned project for a computer

	<p>application in their respective workplace (or other appropriate location with which the student is very familiar). The student will use the systems analysis and design process described in class. A written and oral presentation is due at class in week eight. Additional guidance will be handed out in class.</p> <p>This project requires a significant effort outside of class working a real world practicum with heavy emphasis on definition of objectives to satisfy requirements and criteria to measure attainment of those objectives.</p> <p>The combination of weekly class preparation, case work, and project activities will require approximately twelve hours of outside study outside of class.</p>
<p>Policy Statements:</p> <p>University Policies</p>	<p>University policies are provided in the current course catalog and course schedules. They are also available on the University website. This class is governed by the University’s published policies. The following policies are of particular interest:</p> <p>Academic Honesty: The University is committed to high standards of academic honesty. Students will be held responsible for violations of these standards. Please refer to the University’s academic honesty policies for a definition of academic dishonesty and potential disciplinary actions associated with it.</p> <p>Drops and Withdrawals: Please be aware that, should you choose to drop or withdraw from this course, the date on which you notify the University of your decision will determine the amount of tuition refund you receive. Please refer to the University policies on drops and withdrawals (published elsewhere) to find out what the deadlines are for dropping a course with a full refund and for withdrawing from a course with a partial refund.</p> <p>Special Services: If you have registered as a student with a documented disability and are entitled to classroom or testing accommodations, please inform the instructor at the beginning of the course of the accommodations you will require in this class so that these can be provided.</p> <p>Disturbances: Since every student is entitled to full participation in class without interruption, disruption of class by inconsiderate behavior is not acceptable. Students are expected to treat the instructor and other students with dignity and respect, especially in cases where a diversity of opinion arises. Students who engage in disruptive behavior are subject to disciplinary action, including removal from the course.</p> <p>Student Assignments Retained: From time to time, student assignments or projects will be retained by the department for the purpose of academic assessment. In every case, should the assignment or project be shared outside the academic department, the student's name and all identifying information about that student will be redacted from the assignment or project.</p> <p>Contact Hours for this Course: It is essential that all classes meet for the full instructional time as scheduled. A class cannot be shortened in length. If a class session is cancelled for any reason, it must be rescheduled.</p>
<p>Course Policies</p>	<p>Attendance at all class sessions is expected.</p> <p>Late assignments will be accepted if prior arrangements have been made with the instructor, but will be given reduced points based upon the number of class sessions it is late.</p>

Weekly Schedule		Pre-Assignment for Week 1 <ul style="list-style-type: none"> • Read Chapters 1, 2;
	Week 1	Topics: <ul style="list-style-type: none"> • Course Introduction; Database Management; • Database Modeling/Analysis; • Query by Example; Assignment for Week 2: <ul style="list-style-type: none"> • Read Chapters 3, 4, Appendix A;
	Week2	Topics: <ul style="list-style-type: none"> • Entity Relationship Diagrams; • Logical Database Design; Assignment for Week 3: Read Chapters 5;
	Week 3	Topics: <ul style="list-style-type: none"> • Database Design/Normalization; • Relational Model; Assignment for Week 4: <ul style="list-style-type: none"> • Read Chapters 7, 8; Prepare Case Presentations; Oral and Written;
	Week 4	Topics: <ul style="list-style-type: none"> • Structured Query Language; • Case Presentations; Oral and Written; Assignment for Week 5: <ul style="list-style-type: none"> • Prepare Case Presentations; Oral and Written; Prepare for the Mid Term Exam (Chapters 1-5, 7-8)
	Week 5	Topics: <ul style="list-style-type: none"> • Case Presentations; Oral and Written; • Mid Term Exam (Chapters 1-5, 7-9) Assignment for Week 6: Read Chapter 6, 9-10, 13;
	Week 6	Topics: <ul style="list-style-type: none"> • Physical Database Design; • Database Architectures and Implementation; • Distributed Databases; Assignment for Week 7: Read Chapter 11, 12;
	Week 7	Topics: <ul style="list-style-type: none"> • Database Administration; • Data Integrity and Security; • Data Warehouse; • Project Presentations; Oral and Written; Assignment for Week 8: <ul style="list-style-type: none"> • Read Chapters 14, 15, Appendix D; Prepare Project Presentations; Oral and Written;
	Week 8	Topics: <ul style="list-style-type: none"> • Object Oriented Databases;

		<ul style="list-style-type: none"> • Project Presentations; Oral and Written; Assignment for Week 9: <ul style="list-style-type: none"> • Supplemental Readings; Prepare for the Final Exam (Chapters 6, 9-15)
	Week 9	Topics: <ul style="list-style-type: none"> • Advanced IT Topics/Future Trends; Final Exam (Chapters 6, 9-15)
Additional Information	None	

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