

Course	ITM 5400 – Section 58 - Systems Analysis, Design, and Implementation															
Term	Summer 2008, Monday , 6:00 PM –10:00 PM, May 26– July 26															
Instructor	Name: Dr. Norman Auspitz Phone: (H) 502-244-6133, (Cell) 502-939-7328, (Fax) 502-244-6133 Email: auspitzn@yahoo.com															
Course Description	<p>This course covers the spectrum of activities in information systems life cycle management. The life cycle from the feasibility study through implementation and maintenance is examined. The course includes examination of structured analysis and design, prototyping, procurement and conversion methods. The roles and responsibilities of various personnel involved, as well as the communication and documentation tools and techniques employed, are studied.</p>															
Prerequisites	<p>Must have completed ITM 5000 Information Technology Management: Overview. The student is expected to have graduate level communication skills.</p>															
Course Objectives	<p>Upon successful completion of this course, students will:</p> <ul style="list-style-type: none"> • Develop the ability to plan, analyze, and design, computer projects based on a structured systems approach. • To gain a knowledge of the sources for information technologies. • To work in a project management team structure to accomplish specific projects. 															
Course Level Learning Outcomes	<p>Upon successful completion of this course, students WILL BE ABLE TO:</p> <ul style="list-style-type: none"> • Understand the management of the information technology project life cycle. • Understand the issues and processes of successful information technology project management using structured techniques. • Understand the principles of project justification and managing for project success. • Know and apply the important technical terminology, concepts, principles, techniques, and theories related to the technical aspects of information and communications systems <u>analysis</u>. • Effectively apply important technical concepts, principles, practices, techniques, and theories needed to <u>design</u> and recommend appropriate systems solutions. • Effectively apply important technical concepts, principles, practices, techniques, and theories needed to manage the <u>implementation</u> of recommended systems solutions. 															
Materials	<p>Whitten, J.L., and Bentley, L.D.; <u>System Analysis and Design Methods, 7th Ed., 2007</u>, Irwin / McGraw-Hill</p> <p style="text-align: center;">Texts can be obtained by calling the Missouri Bookstore (MBS Direct) at 1-800-325-3252, or at Virtual Bookstore at www.mbsdirect.net.</p> <p style="text-align: center;">Credit Cards and Checks are accepted.</p>															
Grading	<p><u>Course Requirements:</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;"></td> <td style="text-align: right; vertical-align: bottom;">% of grade</td> </tr> <tr> <td>A) Term Paper</td> <td style="text-align: right;"><u>None</u></td> </tr> <tr> <td>B) Exams: Mid-term 30%, Final 30%</td> <td style="text-align: right;"><u>60%</u></td> </tr> <tr> <td>C) Class Participation</td> <td style="text-align: right;"><u>10%</u></td> </tr> <tr> <td>D) Class Presentation</td> <td style="text-align: right;"><u>10%</u></td> </tr> <tr> <td>E) Other - Assigned work</td> <td style="text-align: right;"><u>20%</u></td> </tr> <tr> <td></td> <td style="text-align: right;"><u>100%</u></td> </tr> </table>			% of grade	A) Term Paper	<u>None</u>	B) Exams: Mid-term 30%, Final 30%	<u>60%</u>	C) Class Participation	<u>10%</u>	D) Class Presentation	<u>10%</u>	E) Other - Assigned work	<u>20%</u>		<u>100%</u>
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	<p><u>Scoring Criteria:</u></p> <p>Scoring Criteria: Exams:</p> <ul style="list-style-type: none"> Exams will consist of questions answerable by short essays which will be graded in a structured way by the instructor. <p>Scoring Criteria: Homework assignments:</p> <ul style="list-style-type: none"> Completing the homework is essential to developing the skills necessary to understand the material and to do well on the exams. Homework will be turned in and graded within the week. Homework should be turned in via a machine readable method (i.e. MS Office via CD, floppy, email attachment), if at all possible. <p>Scoring Criteria: Class Participation:</p> <ul style="list-style-type: none"> Students should make every effort to attend each class meeting. Students are expected to be attentive in class, and to ask questions and participate in the class environment as necessary. If you will not be able to make a class, please notify the instructor by phone or email. <p><u>Grading:</u></p> <ul style="list-style-type: none"> Each exam will include 100 points. No curves! It is expected that all students who properly apply themselves should be able to attain at least a B. Homework assignments for the previous week will be presented and discussed in class. The instructor will examine them after class; the homework will be returned to the student the following week. The final grade will be determined numerically, but then modified appropriate to student improvement and effort. <p>A – 90-100 B – 80-89 C - 70-79 F – Below 70</p>
Activities	<ul style="list-style-type: none"> Lectures Facilitated discussion of assigned readings Homework reviews In class exercises Midterm and final exams
Policy Statements: University Policies	<p><u>CONDUCT</u></p> <p>Students enrolling in a graduate program at Webster University assume the obligation of conducting themselves in a manner compatible with the University's function as an educational institution. Misconduct for which students are subject to discipline may be divided into the following categories:</p> <ol style="list-style-type: none"> All forms of dishonesty, cheating, plagiarism, or knowingly furnishing false information to the University. Obstruction or disruption of teaching, research, administration, disciplinary procedures, or other University activities or of other authorized activities on University premises. Theft of or damage to property of the University.

Students who cheat or plagiarize may receive a failing grade for the course in which the cheating or plagiarism took place. Students who engage in any of the above misconducts may be subject to dismissal from the University on careful consideration by the executive vice president of the University or his designee. To the extent that penalties for any of these misconducts (e.g., theft or destruction of property) are prescribed by law, the University will consider appropriate action under such laws.

ATTENDANCE POLICY

Students are expected to attend all class sessions of every course. In the case of unavoidable absence, the student **must** contact the instructor. The student is subject to appropriate academic penalty for incomplete or unacceptable makeup work, or for excessive or unexcused absences. Generally, a student who misses more than one four-hour course period (per course) without a documented military or medical excuse and advanced permission of the instructor should withdraw from the class. In certain rare occasions, the attendance policy may be tempred assuming the student is able to keep up with the work. The University reserves the right to involuntarily drop enrolled students from classes, which they do not attend. Students who do not attend the first class session, who have not made prior arrangements with the instructor for being absent, will be subject to being dropped from their courses.

MAKE-UP WORK REQUIREMENTS

For each class missed, makeup work will be assigned and must be submitted at the next class. The instructor will assign the topic and amount of work. This makeup work will be incorporated into the class participation grade. If the make-up work is not submitted on time, the student's final grade will be subject to a reduction of one (1) letter grade.

Students are responsible for any class material presented during their absence, and any assignments due should be submitted prior to the absence, if possible. It is advised that students network with at least one other student to obtain notes in case the student does miss a class. In the case of the mid-term, the student may arrange to take the exam proctored by the University administrative staff as long as the exam is taken within one week (i.e. before the week 6 class).

DISCLAIMER

This syllabus is intended to provide a basic structure to this course. It may be modified for class size, student competencies, etc. Adherence to this syllabus is subject to change at the sole discretion of the instructor.

Course Policies	Attendance at all class sessions is expected.
Weekly Schedule	<p><u>Class Preparation</u> Pre-Assignment: <u>Briefly review text chapters 1 & 3</u></p> <p>Week 1 MAY 26 <u>SUBJECT: Introduction</u></p> <p>Topics:</p> <ul style="list-style-type: none"> ◆ Why computer projects fail ◆ Context of Systems Analysis ◆ Information Systems Development

Assignments for Week 2:

- ◆ Preview text chapters 5 & 6
- ◆ Read chapter 5 Minicase
- ◆ Chapter 6 Review Questions 14 & 15; Problems & Exercises 2 & 11
- ◆ Send introductory email to auspitzn@yahoo.com with your resume as an attachment. Please provide contact phone number(s) and other email addresses (if applicable)

Week 2 JUN 02 SUBJECT: Systems Analysis & Requirements Discovery

Topics:

- ◆ Systems Analysis Phase
- ◆ Fact-finding techniques for requirements discovery
- ◆ Current job characteristics

Assignments for Week 3:

- ◆ Preview text chapters 7 & 8
- ◆ Chapter 7 P&E 7-12
- ◆ Chapter 8 P&E 4, 6, & 12

Week 3 JUN 09 SUBJECT: Modeling (Part 1)

Topics:

- ◆ System Requirements via Use Cases
- ◆ Data Modeling And Analysis
- ◆ Homework discussions and presentations.

Assignments for Week 4:

- ◆ Preview text, chapter 9
- ◆ Chapter 9 P&E 1 & 13

Week 4 JUN 16 SUBJECT: Modeling (Part 2)

Topics:

- ◆ Process Modeling
- ◆ Homework Discussions and presentations
- ◆ Review for the mid-term

Assignments for Week 5:

- ◆ Study, study, study
- ◆ Preview text, chapter 11

Week 5 JUN 23 SUBJECT: Mid Term Exam & Feasibility Analysis

Topics:

- ◆ Mid Term Exam
- ◆ Feasibility analysis and the system proposal

Assignments for Week 6:

- ◆ Look for job postings for systems analysts on monster.com, dice.com, or other job related web sites in

	<p>Louisville, Indianapolis, and Cincinnati. Be prepared to discuss the skills and backgrounds desired by today's employers</p> <ul style="list-style-type: none"> ◆ Preview text, chapter 10. ◆ Chapter 10, Projects & Research 1; P&E 4-6. <p>Week 6 JUN 30 <u>SUBJECT: Object-Oriented Analysis and Modeling</u></p> <p>Topics:</p> <ul style="list-style-type: none"> ◆ Object-oriented Analysis and Modeling using UML ◆ Discussion of skills and backgrounds desired by today's employers <p>Assignments for Week 7:</p> <ul style="list-style-type: none"> ◆ Preview text, chapters 14 and 17 ◆ Chapter 14, P&E 4 & 5 ◆ Chapter 17, P&E 9 <p>Week 7 JUL 07 <u>SUBJECT: Database Design & User Interfaces</u></p> <p>Topics:</p> <ul style="list-style-type: none"> ◆ Database Design ◆ User Interfaces ◆ Homework discussion and presentation <p>Assignments for Week 8:</p> <ul style="list-style-type: none"> ◆ Preview text, chapter 18 ◆ Chapter 18, P&E 8 & 9 <p>Week 8 JUL 14 <u>SUBJECT: Object Oriented Design</u></p> <p>Topics:</p> <ul style="list-style-type: none"> ◆ Object Oriented Design and Modeling using UML ◆ Homework discussion and presentation ◆ Review for the final <p>Assignments for Week 9:</p> <ul style="list-style-type: none"> ◆ Study, study, study <p>Week 9 JUL 21 <u>SUBJECT: Final Exam</u></p> <p>Topics:</p> <ul style="list-style-type: none"> ◆ Administrative wrap up ◆ Final exam
Additional Information	None