

SYLLABUS
SYST 530, Section 001 – System Management and Evaluation
(71924)
Fall 2008

Instructor:	Dr. Harold Camp
Phone:	(703) 585-7745 (with voice mail)
E-mail:	hcamp@gmu.edu
Office Hours:	Fairfax: 6 PM to 7 PM Monday and Wednesday 5 PM to 7 PM Thursdays Others by appointment
Course Description:	SYST 530 -- Systems Management and Evaluation: Provides the necessary techniques for evaluating the cost and operational effectiveness of system designs and systems management strategies. Performance measurement, work breakdown structures, cost estimating, and quality management are discussed. Configuration management, standards, and case studies of systems from different application areas are discussed.
Text:	<i>"Project Management: A Systems Approach to Planning, Scheduling, and Controlling"</i> , Harold Kerzner, Tenth Edition, John Wiley and Sons, 2008. ISBN:0470278706
Grades:	25% - Group Project 30% - Mid-Term Exam 35% - Final Exam 10% - Assignments LATE HOMEWORK WILL BE PENALIZED 10% PER WEEK LATE.

Examinations:

MidTerm and Final Exams are intended to test the student's knowledge of the materials discussed in the readings and lectures. Be prepared to write about the material discussed in class in concise, intelligible English. Examinations are comprehensive over the work performed during the course and the course lecture material. You will be expected to interpret the material of the course, not to repeat it via rote memory. The examinations are intended to enhance the student's classroom experience and challenge the student to correctly apply the course material.

Group Project:

The majority of effort toward the group projects will be expended outside of class, with class time being reserved for reporting on activities. Each group of three to four students will select a system, define a management plan for that system, create a cost model of the system, build a performance evaluation plan for the system, and report on their approach to system quality, configuration and data management, applicable standards, and work breakdown structure. Additional criteria and guidance for these activities will be given in class. The system is required to contain both hardware and software elements and to be "non-trivial". The instructor must approve the system prior to the group proceeding with the coursework based on the system. Each group will present their project to the class.

Assigned Work for Credit:

Students are assigned to groups. Assignments may be worked by the group or individually. Please turn in only one Laboratory Report with all the names of the individuals who contributed to the report. Caution: one who relies on the group and does not learn for him/herself probably does not perform well on the examinations. All assignments are due prior to the end of the class period after the assignment was assigned (i.e., in one week) unless otherwise stated at the time of assignment.

Classroom Conduct

1. You are expected to be punctual, alert, and prepared for each class. Be considerate of other students, i.e., be attentive for the duration of the class period,
2. Do not surf the Internet during class time.
3. Please feel free to ask questions or offer pertinent comments in class. If you are confused, more than likely, someone else is too.
4. If you need extra help, please schedule an appointment in advance or visit me during regular office hours.
5. Either leave your cell phone or other personal telephonic device behind or turn them off prior to entering the classroom.
6. No inhaling, consuming, nor imbibing of nutritional or non-nutritional substances during lectures. You may eat or drink something during the break.

Policies & the Honor Code

Student projects in this course represent group work. Students are required to participate actively in group work and to be able to reproduce that work on the Mid-Term and Final Exam. Homework and other assignments in this course represent individual work. Students are encouraged to discuss assignments; however, each student is expected to turn in only that work he/she has performed. As always the GMU Honor Code holds. Stated in English, do the work by yourself. If you need help, see the instructor or the TA.

See: <http://www.gmu.edu/catalog/apolicies/#Anchor12>

Attendance Policy

Students are expected to attend each class, complete any required preparatory work, and participate actively in lectures, discussions, and exercises. Students with special needs/disabilities should inform the instructor during the first week of classes.

Departmental policy requires students to take exams at the scheduled time and place, unless there are truly compelling circumstances supported by appropriate documentation. Except in such circumstances, failure to attend a scheduled exam will result in a score of zero (0) for that exam.

CLASS SCHEDULE – Updated on 18 August 2008

Week	Class Date	Topics	Reading (Before Class)
1	Aug 28	Two Problems, Group Assignments	Chapters 1 & 2
2	Sep 4	Systems Management Strategies	Chapters 3 & 4
3	Sep 11	Effectiveness of Systems Management Strategies	Chapters 5 & 6
4	Sep 18	System Design Strategies	Chapter 7 & 17
5	Sep 25	Evaluating System Designs	Chapter 9 & 16
6	Oct 2	Cost Estimation Strategies and Evaluation of Cost Estimates	Chapter 10 & 18
7	Oct 9	Performance Measurement Strategies & Review for Mid-Term Exam	Chapter 8 & 13
8	Oct 16	Mid-Term	
9	Oct 23	Work Breakdown Structures and Integrated Master Schedules	Chapters 12 & 19
10	Oct 30	Cost Estimating	Chapters 14 & 15
11	Nov 6	Quality Management	Chapter 20
12	Nov 13	Configuration and Data Management	Chapter 21
13	Nov 20	Standards	Chapter 22
	Nov 27	Thanksgiving Break – No Class	
14	Dec 4	Case Studies of systems from different application areas and review for Final Exam	Chapter 23
15	Dec 11	Final Exam	