SYLLABUS
SYST 571 – Systems Engineering Management
Fall 2010

Instructor:	Dr. Peggy Brouse
Assignment Submission:	Blackboard usage is required in the class; instructions are below.
Work Phone:	(703) 993-1502 (with voice mail)
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Office:	GMU: Engineering Building - Room 2215
Office Hours:	Mondays before class and by appointment
Course Description:	**571 Systems Engineering Management (3:3:0)** *Prerequisite: SYST 471 or SYST 530.* Study of more advanced topics in systems engineering management. Seminar style; students are expected to read a number of selections from current literature as well as make presentations and produce papers on engineering management topics. Students will also execute a project involving developing a Systems Engineering Management Plan, a Risk Management Plan, and a Product Assurance Plan for a complex System. Topics include multiproject management (Task Orders, IDIQ, CPAF, CPFF, T&M, and FFP), quality and product assurance programs, independent reviews, risk management, and the impacts of process change on an organization. The class focuses strongly on the practical aspects of various system engineering management techniques and practices on projects, organizations, and personnel. Students will be required to research systems engineering topics and present their findings in class.
Course Hours:	Monday 7:20 pm in Robinson Hall A243
Text:	Information Technology Project Management, Sixth Edition. Kathy Schwalbe, Ph.D., 2010, Course Technology. ISBN 13: 978-0-324-78692-7
Grades:	45% - Group Project:

- 15% SEMP
- 10% Risk Management Plan
- 10% Product Assurance Plan
- 10% Final Group Presentation

25% - Research and Class Presentations
15% - Mid-Term Exam
15% - Final

Group Project

The Group Project is a focal point of student effort within this course. The majority of effort toward the group projects will be expended outside of class, with class time being reserved for lectures, presentations, and reporting on group activities. Each group will produce three systems engineering planning documents; a Systems Engineering Management Plan (SEMP), a Product Assurance Plan (PAP), and a Risk Management Plan (RMP). Criteria and guidance for these documents will be given in class.

Examinations:

Examinations are comprehensive over the lectures. Examinations will be closed book and will test you on the application of principles learned.

Individual Research Paper and Presentations:

Each student will select a relevant systems management topic, research that topic, write a scholarly paper of 8 to 10 pages, 1 1/2 spaced, and present their topic in class.

Disabilities Statement
If you are a student with a disability and you need academic accommodations, please see me and contact the Disability Resource Center (DRC) at 993-2474. All academic accommodations must be arranged through the DRC.

How to Access Blackboard?

- Go to   http://courses.gmu.edu
- Enter Blackboard ID and password:
  Students need a Blackboard ID and password to login. Their Blackboard ID is their Mason mail user name (e.g. the Blackboard ID for jdoe@gmu.edu would be jdoe)

- If you do not know your Mason mail user name, go to http://mail.gmu.edu and click on "Activating My Account" icon, follow the steps.

- All assignments have due dates and submissions after the due date/time will not be possible, since Blackboard will automatically block "submit my homework" option.

- From time to time, Blackboard works too slowly. Especially from a dial-up internet connection, Blackboard access may not be so efficient all the time; students are encouraged to submit their work earlier than the deadline.

- If you experience any problem while accessing/using Blackboard, please. send an e-mail to Dr. Brouse, pbrouse@gmu.edu

Week 1>	30 August	♦ Review course requirements ♦ Lecture: Chapter 1 Introduction to Project Management [48] ♦ **Group: Form and Organize Groups**
Week 2>	6 September	♦ **Labor Day – No class**
Week 3>	13 September	♦ Lecture: Chapter 2: The Project Management and Information Technology Context [27] ♦ Lecture: Chapter 3 The Project Management Process Groups: A Case Study [25] ♦ Lecture: SE Products [24] ♦ **Group: Give overview of SRS to be used for group project**
Week 4>	20 September	♦ Lecture: Systems Engineering Management Plan [13] and example [20] ♦ Lecture: Chapter 4: Project Integration Management [53] ♦ **Research Paper: topics due**
Week 5>	27 September	♦ Lecture: Risk Management Plan [30] and example [[25] ♦ Lecture: Chapter 5: Project Scope Management [35] ♦ **Group: Program Management Meeting - Present Interim Status**
Week 6>	4 October	♦ Lecture: Chapter 6: Project Time Management [56] ♦ Lecture: Product Assurance Plan [25] and example [15]
Week 7>	12 October	♦ **Exam 1 – please note, we meet Tuesday this week because of Columbus Day**
Week 8>	18 October	♦ Lecture: Chapter 7, Project Cost Management [38] ♦ Lecture: Chapter 8: Project Quality Management [64] ♦ **Group: Present Interim Status**
Week 9>	25 October	♦ Lecture: Chapter 9 Project Human Resource Management [61] ♦ **Research Paper: Interim Status**
Week 10>	1 November	♦ Lecture: Chapter 10: Project Communications Management [45] ♦ **Groups: Turn in SEMP**
Week 11>	8 November	♦ Chapter 11 is Risk which was covered in week 4 ♦ Lecture: Chapter 12: Project Procurement Management [40] ♦ **Groups: Turn in PAP** ♦ **Group: Program Management Meeting - Present Interim Status**
Week 12>	15 November	♦ **Exam 2**
Week 13>	22 November	♦ **Final project presentations**
Week 14>	29 November	♦ **Students Research Paper Presentations**
Week 15>	6 December	♦ **All> Research Paper Due** ♦ **Students Research Paper Presentations**