

**Syllabus SYST 699/OR 699
Masters Program Final Project Course
Spring 2013**

Instructor: Dr. Andrew Loerch

Office: Engineering Building, Room 2103

Phone: (703) 993-1657 (O)

e-mail: aloerch@gmu.edu

Office Hours: Before or after class, or by appointment

Text: *None*

Course Objectives: This course serves as the synthesis activity for students completing a masters degree in Operations Research (OR 699) or Systems Engineering (SYST 699). Students will complete a major applied and realistic project in their field. Work will be done in small groups. Depending on the nature of the problem, the groups will be comprised of a combination of operations researchers and systems engineers in the proportions appropriate to the problem at hand. The students will prepare a comprehensive final report to the study sponsor, as well as a briefing to the sponsor and the entire SEOR department faculty. Regular in-progress review sessions in which students will report their progress will be held. Project groups will also maintain a website for their projects.

<u>Date</u>	<u>Topic</u>	<u>Assignment</u>
1/28	Introduction, Project Descriptions	Team organization
2/4	Presentations, Problem Definition	Problem Def. presentation
2/11	Working Session	
2/18	Proposal	Team Presentation, written proposal
2/25	Working Session	
3/4	Working Session	1 page status report
3/11	Spring Break	
3/18	In Progress Review Presentation	Team Presentation (approx 15 mins)
3/25	Working Session	
4/1	Individual Team Meeting w/ instructor	Status and draft of final presentation
4/8	Individual Team Meeting w/ instructor	Status and draft of final presentation
4/15	Working Session	
4/22	Working Session	
4/29	Dry run of final presentation	
5/6	Dry run of final presentation	Final report due
5/10	Final presentation to Faculty	
Grading:	Proposal	10%
	IPR presentations	20%
	Website	10%
	Final Report	30%
	Final Presentation	<u>30%</u>
		100%