

**Syllabus SYST 699/OR 699  
Masters Program Final Project Course  
Fall 2016**

**Instructor:** Dr. Karla Hoffman

**Office:** Nguyen Engineering Building Room 2207

**Phone:** (703) 993-1679; If I am not at my desk when you call, please send email and I will get back to you!

**Class Time:** Thursday 7:20-10:00pm

**Location:** Nguyen Engineering Building Room 2608

**e-mail:** [khoffman@gmu.edu](mailto:khoffman@gmu.edu) or [orprofessor@gmail.com](mailto:orprofessor@gmail.com)

**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.

**Below is a tentative schedule that might change based on the progress of the projects and the resulting reports:**

<u>Date</u>	<u>Topic</u>	<u>Assignment</u>
9/1	Project Descriptions	Team organization
9/8	Presentations, Problem Definition	Prepare Presentation describing
9/15	Working Session – Class does not meet Work on presentation to take place 9/22	problem definition and possible approaches to solution
9/22	Presentation	Send Presentation to Dr. Hoffman by 9/20/2016
9/29	Working Session – Each group meets with Dr. Hoffman individually	Prepare draft of problem description problem proposal, and proposed process for completion of the process
10/6	Working Session	Get sign-off of client on proposal
10/13	Working Session	1 page status report
10/20	In Progress Review Presentation	Team Presentation (approx 20 mins)
10/27	Working Session	<b>Draft of report due (should include research review, problem statement, proposal, and solution approach</b>

11/3	Individual Team Meeting w/ instructor	Status and draft of final presentation
11/10	Dry run of final presentations to instructor	Status and draft of <b>both final presentation and report</b>
11/17	Dry run of final presentation to class	<b>Final report due</b>
11/24	Thanksgiving	
12/1	Any last minute corrections to presentation	<b>Return of reports for editing</b>
12/9-Fri.	Final presentation to Faculty	<b>Final submissions due... including website with all materials.</b>

**NOTE: The final presentation is on a Friday. PLEASE PLAN ACCORDINGLY.**

**Distance Learning Students; Please work to attend this one session ON CAMPUS, if possible. The entire faculty will be attending this session and it would be nice for everyone to meet.**

**The final presentation will be in Research 1, Room 163**

<b>Grading:</b>	Proposal	10%
	IPR presentations	20%
	Website	10%
	Final Report	30%
	Final Presentation	<u>30%</u>
		100%