

**Syllabus SYST 699/OR 680
Masters Program Final Project Course
Fall 2017**

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 or 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 project. The assignments will be made in the first week after all possible projects are presented and each student provides a rank-ordered list of the project that they most prefer. Students will provide this list along with the skills that they bring to each project. **All work for the course will be done as a team.** Depending on the nature of the problem, the teams 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. When class is scheduled, *all students* must attend all presentations. Team members that do not attend (or leave the session without prior permission from the instructor) will be considered truant and their final grade will reflect this.

All students benefit from feedback from the class so attendance at all presentations is mandatory.

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>
8/31	Project Descriptions	Team organization
9/7	Presentations, Problem Definition	Prepare Presentation describing
9/14	Working Session – Class does not meet	problem definition and possible
	Work on presentation to take place 9/22	approaches to solution
9/21	Presentation	Send Presentation to Dr. Hoffman by 9/20/2016
9/28	Working Session – Each group meets with Dr. Hoffman individually	Prepare draft of problem description problem proposal, and proposed process for completion of the process
10/5	Working Session	Get sign-off of client on proposal
10/12	In Progress Review Presentation	Team Presentation (approx 20 mins)
10/19	Working Session	1 page report due
10/26	Working Session	Draft of report due by 7:30pm 10/27

11/2	Individual Team Meeting w/ instructor	Status and draft of final presentation
11/9	Dry run of final presentations to instructor	Status and draft of both final presentation and report
11/16	Dry run of final presentation to class	Final report due
11/23	Thanksgiving – no class!	
11/30	Any last minute corrections to presentation	Return of reports for editing
12/7	Possible presentations of teams where necessary (with Professor – no class)	
12/9-Fri.	Final presentation to Faculty	Final submissions due... including website with all materials.

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

Distance Learning Students; Please attend the faculty session ON CAMPUS, if possible. The entire faculty will be attending this session. This is your opportunity to meet faculty that you have had for distance-learning courses. There will be refreshments and a celebration at the end of this last class.

The final presentation will be in Research Hall (sometimes referred to as Research 1), Room 163

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