Syllabus

Last updated: 8 January 2016

- **Course description.** In this capstone course, midshipmen will apply operations research techniques to Navyrelevant problems. Midshipmen will work in teams on projects coordinated with the Johns Hopkins University Applied Physics Laboratory (APL). Midshipmen will present their results in writing and orally, including a final written report summarizing their project work, and a final oral presentation to the students and faculty of the mathematics department.
- **Schedule.** A graphical overview of the schedule (subject to change) is given on the next page. Specific dates for meetings, presentations, and submission deadlines will be given during the semester. Here is a summary of the milestones:

Week		Milestone
3	25 Jan – 29 Jan	1st draft of problem definition due
6	15 Feb – 19 Feb	Combined problem definition and literature review due Presentation on problem definition and literature review
9	7 Mar – 11 Mar	Detailed outline of methodology and results section due
13	4 Apr – 8 Apr	1st draft of methodology and results section due
16	25 Apr – 29 Apr	Final presentation
17	2 May – 3 May	Final report due

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Week	1	2		3	4	5	$\downarrow \downarrow 6$	7	8	↓ 9		11	12	13	14	15	↓ 16	17	
	Probler	n defini	tion																
	Literature review																		
	Data collection, modeling, computation, analysis																		
												Preparing the final report and presentation							
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							Academic Reserve			Spring Break				Academic Reserve					