

**SA302, ANALYSIS OF NAVAL TACTICS**  
**Fall 2011**  
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**Syllabus**

<b>Item</b>	<b>Topic</b>	<b>Assignment</b>
1	Chapter 1, Intro to Operations Analysis	Read Chapter 1 Do exercise 7 on pg. 26
2	Chapter 2, Decision Analysis	Read pp. 33-38 Do pg. 60: 1-3
3	Chapter 2 (cont), Utility Theory/Cost Effectiveness	Read pp. 39-44 Do pg. 61-63: 4,6,8
4	Chapter 2 (Cont) Game Theory/Intro to LP	Read pp. 45-54 Do pg. 64-65: 11,12,13,14,15
5	Chapter 2 (Cont) Game Theory	P. 65: 16,17 and Jamaican Fisherman
6	Appendix A12-14: Probability	P.395-397: 13,20,21,23
7	Appendix A15-16: Intro to Statistics	Do pg. 197: 24ad
8	Chapter 3, Intro to Modeling and Simulation	Read P. 71-81 Do Pg. 82: 1,2,3,4
9	Chapter 3 (cont), Intro to M&S	Do pg. 83: 8
10	Linear Regression	Selected Exercises
11	Ch.4 Sonar	Read pp. 88-99 Do pg. 127-128: 1,6,7,8
12	Ch. 7 Search and Patrol	Read Pg. 173-179 Do Pg. 183: 1,2,3,5
13	Spreadsheet Modeling	Selected Exercies
14	Spreadsheet Modeling	Selected Exercises