

Stochastic Math Models (550.252)
Case I (Due Friday, October 14, 2011)

General Directions: You must show all work and document any assumptions to receive full credit. As always, when creating a mathematical model, clearly define your variables and label your objective function and constraints. Feel free to use Excel.

1. Read Section 1.5 “Writing Business Reports/Memos”. Your presentation should follow the structure of a business report. In particular, provide description and analysis for at least one *what-if* scenario created by your team.
2. Prepare a presentation for your assigned case. Teams **MUST** contain 2-3 students.

<i>Case Study</i>	<i>Title</i>	<i>Team Members</i>
9.1	Saveway Supermarkets	Bharadwaj, Chan, Goncalves
9.2	Boone Travel Agency	Adeofe, Schofield, Skoff
9.4	Pacific National Bank*	None

*This case study is available on the course website.

3. The presentation should be no more than 15 minutes long. In addition, the presentation should
 - (a) describe the problem your case addresses;
 - (b) explain the mathematical model/approach you are using in words (symbols may be used if you are comfortable with that);
 - (c) answer the questions stated in the case description.
4. Please turn-in a **HARD** copy and an electronic copy of your presentation.
5. Please create and submit **HARD** copy and an electronic copy of your **TYPED** appendix that includes your mathematical model (if any) and documents any assumptions you made. The appendix should also include any Excel files you created for your analysis. (You need not provide hard copies of Excel files.)