

Due: Wednesday, February 3rd (at the start of class)

References are to the course textbook, except as noted.

Reading

For Monday, January 25th, Skim Sections 4.1 and 4.2, while noting that reports generated by the basic Excel solver look different than those generated by the premium RSP package described in the book.

For Wednesday, January 27th, Sections 3.1 through 3.4.

For Monday, February 1st, Sections 3.5 and 3.6.

For Wednesday, February 3rd, Sections 4.3 through 4.4.

Assignment exercises to hand in

Questions 1 and 2 must be solved in a spreadsheet. To submit your answers, print the final spreadsheet and, list in writing the contents of any cells that have formulae in them along with the information entered into the “solver parameters” window.

1. Exercise 2.14.
2. Exercise 3.5.

Question 3 requires detailed written answers, typeset in \LaTeX . You should also provide details of how you solved the problems, by spreadsheet or other means.

3. Case 4.2 from Hillier and Lieberman’s “Additional Cases”.
4. Each student will choose a research article that describes an application of Operations Research. Students are required to consult with the instructor about the selection. Each student should present a different article, and articles will be assigned on a first-come, first-served basis. Please contact the instructor when you have a suitable candidate article.

The suggested source of the article is the journal *Interfaces*. This journal publishes papers that focus on the practice of Operations Research. Quoting from the journal’s Website, “The most appropriate papers are descriptions of the practice and implementation of OR/MS in commerce, industry, government, or education.” Note that if you are off-campus, you will need to access *Interfaces* through the SFU library using student Internet credentials. Unfortunately issues since 2010 are not available at present. Scientific articles from other sources may also be considered on a case-by-case basis.

You are required to select your article by the deadline for this assignment.

Some other exercises you should try

Additional exercises from Chapters 2 and 3.