

Due: Thursday, April 5th (5 p.m. in drop box)

End of term information

Please note that this assignment is due on **Thursday**, not Friday. This is because Friday, April 6th is a holiday and class will not meet on that day. The due date is early rather than late because this course has an early exam: the final exam will be held on **Saturday, April 14th at 3:30 p.m.** in SUR 3090. It will cover everything we have covered in class.

Reading

For Tuesday, March 27th, Chapter 14, Sections 3 through 6.

For Friday, March 30th, Chapter 15, Sections 1 and 2.

For Tuesday, April 3rd, Chapter 10, Sections 1 and 2.

For Tuesday, April 10th, Chapter 10, Sections 3 and 4.

Assignment questions

Chapter 14, exercises 3, 4, 6, 11

Chapter 15, exercise 1

Show that the set of optimal solutions to a linear program is a convex set.

Show that the set of solutions to the following inequality is not convex:

$$x_2 \leq x_1^3 - x_1$$

Some other questions you could try

For practice, Chapter 14, exercises 1, 2 and 8.

Chapter 10, exercise 1.