

## OPS 807 Homework 4

### Homework

**Due date:** 8/10/2019 11:59 pm

#### **Chapter 8 (LP applications):**

The following 2 problems are from chapter8 examples discussed in the book and the solutions have been provided in excel. Implement the problem in Python and verify the answers:

1. Media selection, Win Big Gambling Club (pg: 292-293)
2. Employee Scheduling Applications, Labor Planning, Hong Kong Bank of Commerce and Industry (pg:301-302)
3. Problem 8-18 (hospital expansion problem) from the end of chapter 8.

Chapter 10 (Integer programming, Goal programming and Nonlinear programming):

4. 10.19 (Triangle Utilities)
5. 10.26 (goal programming)