

# CSC0056 Data Communication, Homework 3

Department of Computer Science and Information Engineering  
National Taiwan Normal University

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In this Homework assignment we will do some exercises on queueing theory. In the next Homework we will return to the code and see queueing theory in action. Put together your work into one PDF file and name it *hw3.pdf*.

## 1 Written assignment (100 points)

Complete the following ten exercises, all from the first textbook:

Harchol-Balter, Mor. Performance modeling and design of computer systems: queueing theory in action. Cambridge University Press, 2013. ISBN 9781107027503.

Exercises 2.2, 6.2, 8.1, 8.6, 10.3(a), 11.3, 11.5, 11.7, 13.2, 13.10.