

# Computer Science 4963/6963 (ECSNCI): Homework 2

Due: March 8, 2012

**Note:** All problems are from the Easley and Kleinberg text. The two problems with asterisks next to them are only required if you are taking the class for graduate (6963) credit (you can do them if you feel like it if you're taking the class for undergraduate (4963) credit. Brownie points.) I encourage you to collaborate with other students, while respecting the collaboration policy. Please write the names of all the other students you collaborated with on the homework. All problems are worth 10 points. The problems are written as "<chapter> . <exercise>": therefore "2.3" means Chapter 2, Exercise 3.

1. 9.2
2. 9.4
3. 9.7
4. 9.9
5. 9.11\*
6. 23.1
7. 23.2
8. 23.3\*