

# IS-2150/TEL-2810 Introduction to Security

## Homework 3

Due Date: By Midnight of October 8, 2006

(Total points: 100)

1. Do the following from Section 4.8 (**Score 30**)  
Exercise 1, 2 and 3
2. Do the following from Section 5.5 (**Score 40**)  
Exercise 1, 2, 4 and 5
3. Do the following from Section 6.6 (**Score 20**)  
Exercise 1 and 3
4. Assume that Alice and Bob are friends. Consider two conflict of class sets  $COI_1 = \{X, Y\}$  and  $COI_2 = \{U, V\}$ . Let  $CD_X$ ,  $CD_Y$ ,  $CD_U$ , and  $CD_V$  be the company data sets of companies X, Y, U and V. Illustrate using these, what kind of assignments are prohibited by the Chinese wall policy. In the Low-water-mark policy, the following read-rule is applied: (**Score 10**)