

**Spring Semester 2021**

**CSE463M: Digital Integrated Circuit Design and Architecture**

**Homework #7**

1. **Using the simplified version of DES encryption algorithm for the 8-bit input sequence Input = 01001010 and 10-bit Input key k = 1110111001:**
2. **Determine by hand an encrypted 8-bit output sequence Output. Show all your work steps in your report.**
3. **Write a piece of code using preferred language (C, Python, etc.) and confirm your result from the part a. Submit your piece of code and show your simulation result screen shoot in your report.**