

## **Cryptography (CSCI 57313) (D. Nguyen)**

### **Assignment 1**

Please submit before 11:59 pm , 08/14/2022

1. Write the Python codes for encoding a phrase in a number and decoding the number to the text : convert a text to number , save to a file (binary or text), and convert a number (from a given file) to text.
2. Write the Python codes for the Caesar encryption (save the Cipher text to a file) and decryption (read the Cipher text from a given file)
3. Write the Python codes for the Exponential (Deffie-Hellman) encryption (save the Cipher text to a file) and decryption (read the Cipher text from a given file).