

**School of Electrical and Computer Engineering  
Georgia Institute of Technology  
ECE 8803 Secure Communications  
Spring 2005**

**Project 1**

This project is for encryption and cryptanalysis of the shift cipher. You should encrypt about 150 words of English (use only 26 lowercase letters) plaintext and send the cipher text to me via email (Subject must be ECE8803 Project 1). Ciphertext is due to me by 8am on Jan 27.

I will send your cipher text to one of your classmates who will decrypt it. The decrypted message should be sent back to the original student via email (copy to me) and it must be confirmed by the originator.

This is very very simple!

Cryptanalysis: A report on your cryptanalysis efforts on the ciphertext will be due on Jan 31 before 9am. The report is limited to two sides of one A4 sheet of paper. You should include your encryption and decryption software, ciphertext you received from me and the decoded message.