WILMINGTON UNIVERSITY  
COLLEGE OF TECHNOLOGY  
BASIC COURSE INFORMATION  

COURSE TITLE: Cryptography: Algorithms and Applications  
COURSE NUMBER: SEC 310  

I. MAJOR INSTRUCTIONAL OBJECTIVES:  

Objective A: Discuss and dissect the fundamental concepts of modern cryptography with emphasis on mathematical background and practical execution.  
A-1: The history of cryptography and cryptanalysis  
A-2: Ciphers – What ones are available? Which ones are best for you  
A-3: Public and private key cryptography  
A-4: Digital Signatures  
A-6: Network Security (viruses, worms, Trojan horses)  

II. CLASS PARTICIPATION:  

Students are expected to attend class and participate actively and in a positive way. Questions and relevant observations are encouraged and enrich the experience of the entire class. Computers in the classrooms are intended to be used as tools to enhance the students’ learning experience. Instant messaging, gaming, emailing, and surfing the web are distractions to the student, the surrounding students, and the instructor and constitute inappropriate behavior. Students are ethically obliged to avoid these and similar practices.