



## CSC 519: Computer Security Course Syllabus

Instructor	Dr. Jalal Al-Muhtadi, <a href="mailto:jalal@ccis.edu.sa">jalal@ccis.edu.sa</a> (Put CSC519 on subject line!)
Office Hours	By appointment over email.
Class Homepage	<a href="http://www.ccis.edu.sa/~csc519b/">http://www.ccis.edu.sa/~csc519b/</a>

### Some of the topics we will be covering:

Introduction to Security  
Threats and vulnerabilities  
Basic Cryptography  
Security Engineering & Design Principles  
Identification & Authentication  
Access Control  
Security Policies  
Intrusion Detection  
Risk Assessment  
Network Security Technologies

Programming Assignments (PAs)	30 %
Term Paper & Presentation	20 %
Midterm	20 %
Final	30 %

### Textbooks:

- \* Security Engineering, Ross Anderson  
(available online @ <http://www.cl.cam.ac.uk/~rja14/book.html> )
- \* Introduction to Computer Security, Matt Bishop (good reference)