

IS 2150 / TEL 2810

Introduction to Security



James Joshi
Assistant Professor, SIS

Lecture 1
August 30, 2007



Contact

- **Instructor: James B. D. Joshi**
 - 706A, IS Building
 - Phone: 412-624-9982
 - E-mail: jjoshi@mail.sis.pitt.edu
 - Web: <http://www.sis.pitt.edu/~jjoshi/>
 - Office Hours:
 - Tuesdays: 2.00 – 4.00 p.m.
 - By appointments
- **GSA: TBD**
- **Lab help: Carlos E Caicedo Bastida**



Course Goals

- to develop a broader understanding of the information security field,
 - *Recognize, analyze* and evaluate security problems and challenges in networks and systems.
 - *Apply* their knowledge to synthesize possible approaches to *solve* the problems in an integrated way.

Recognize the various security issues/terminologies related to software, networks and applications to *show* how they are interrelated and available techniques and approaches to solve/tackle security problems.

Analyze and *evaluate* the fundamentals of security policy models and mechanisms, and their need for different types of information systems and applications

Apply the basics of Cryptographic techniques and network security for ensuring the basic security goals of security of information systems.

Describe/identify the various basic social, legal and non-technical dimensions of security and its relation to technical counterparts.