

Introduction

CSCI283/172 Fall 2006

GWU

Sources:

Bishop's slides, Chapter 1

Introduction

- Goals of computer security
- Threats
- Policies and mechanisms
- The role of trust
- Assurance
- Operational Issues
- Human Issues

Basic Components

- **Confidentiality**
 - Keeping data and resources hidden
- **Integrity**
 - Data integrity (integrity)
 - Origin integrity (authentication)
- **Availability**
 - Enabling access to data and resources