

OPENING REMARKS

COURSE PREREQUISITE

- ❖ **Must have completed INFS 612 or equivalent**
 - concurrent enrollment in INFS 612 does not satisfy prerequisite
- ❖ **Must be familiar with Discrete Mathematics and Formal Notation (such as INFS 501)**
- ❖ **INFS 762 is not required as a prerequisite**
- ❖ **Must be internet, web and pdf capable**
- ❖ **This is a protocols-oriented course**
 - without these prerequisites you will have a hard time and will get no sympathy from me

CONTACT INFORMATION

- ❖ **Prof. Ravi Sandhu**
 - **Professor of Information and Software Engineering**
<http://www.ise.gmu.edu>
 - **Director, Laboratory for Information Security Technology (LIST)**
<http://www.list.gmu.edu>
- ❖ **office: room 457, Science and Technology II**
 - **office hours: by appointment**
 - **email: sandhu@gmu.edu**
 - **voice: 703 993 1659**
 - **fax: 703 993 1638**
- ❖ **class web page: <http://www.list.gmu.edu/~infs766>**
- ❖ **class email: infs766@list.gmu.edu**
 - **for web page complaints**

SCHEDULE OF CLASSES

01/17/01	1	Firewalls
01/24/01	2	Firewalls
01/31/01	--	
02/07/01	3	Cryptography
02/14/01	4	Cryptography
02/21/01	5	SSL
02/28/01	exam 1	lectures 1-5
03/07/01	--	Spring Break
03/14/01	6	Digital Certificates
03/21/01	7	IPSEC
03/28/01	8	IPSEC
04/04/01	9	Kerberos
04/11/01	--	no lecture
04/18/01	10	Radius, OCSP
04/25/01	11	Secure Email
05/02/01	exam 2	lectures 7-12

COURSE MATERIAL

- ❖ **No text book**
 - any book is already long obsolete
- ❖ **Lecture slides are posted on the class web site in pdf format**
- ❖ **Class web site is not guaranteed to be available 24X7**

GRADING

- ❖ **Two in-class closed book exams**
- ❖ **Equal weightage**
- ❖ **Each lecture is important**

REFERENCE BOOKS

- ❖ Network Security Essentials, William Stallings, Prentice-Hall, 2000
- ❖ Security Technologies for the World Wide Web, Rolf Oppliger, Artech House, 2000
- ❖ Internet and Intranet Security, Rolf Oppliger, Artech House, 1998
- ❖ Building Internet Firewalls, Brent Chapman and Elizabeth Zwicky, O'Reilly and Associates, 1995
- ❖ Network Security: Private Communication in a Public World, C. Kaufman, R. Perlman and M. Speciner, Prentice-Hall, 1995

WEB SOURCES

- ❖ **source for RFCs and IETF**
 - <http://www.ietf.org>
- ❖ **cryptographic sources**
 - RSA's frequently asked questions: <http://www.rsasecurity.com/rsalabs/faq/index.html>
 - NIST encryption home page: <http://csrc.nist.gov/encryption/>
- ❖ **firewall sources**
 - Firewalls frequently asked questions: <http://www.interhack.net/pubs/fwfaq/>