Course Syllabus

Resources

Title: Wireless Security – Models, Threats, and Solutions

Author: Nichols and Lekkas

Publisher: McGraw-Hill

Edition/Year: 2001

ISBN: 0071380388

Additional information: none

Type: Optional resource

Policies

Additional information: Participation in WebCT Discussions: 10%

3 papers 15% each

Participation in Security Assessments: 20%

Final project written report: 20%

Final project 'presentation': 5%

Introduction: Grading

Lesson

:

Readings:

Assignments:

Objectives:

Topics: Orientation

Objectives:

Topics: Basic wireless issues

Readings:

Assignments:

Assignments:

Readings:

Topics: Continuation of wireless

Objectives:

Readings:

Objectives:

Assignments: Paper on wireless

Topics: Security Services, Mechanisms

Readings:

Assignments:

Objectives:

Topics: More on security mechanisms

Assignments:

Readings:

Topics: Security issues particular to wireless, economic tradeoffs, introduction to brainstorming process and assessment process, Case study 1 – introduction, vulnerability discussion, potential improvements, tradeoffs

Objectives:

Assignments: Security paper

Readings:

Topics: Case study 2

Objectives:

Assignments: Course project

Topics: Case study 3

Readings:

Objectives:

Objectives:

Topics: Case study 4

Readings:

Assignments:

Assignments: Paper on current wireless security issues

Topics: Case study 5

Readings:

Objectives:

Assignments:

Topics: Case study 6

Readings:

Objectives:

Assignments:

Readings:

Topics: Case study 7

Objectives:

Objectives:

Readings:

Topics: Course Summary, Advanced Topics, Future Directions

Assignments:

Readings:

Assignments:

Objectives:

Topics: Student 'presentations'