

CLASS NUMBER AND NAME:	<b>CSN332— Advanced Security Implementation</b>
TOTAL HOURS/ UNITS:	72 HOURS/5.0 UNITS
PREREQUISITES:	CSN323—Strategic Infrastructure Security
TEXTS AND MATERIALS:	<i>Advanced Security Implementation</i> , Warren Peterson, Shrinath Tandur, Element K, 2003 (ISBN 9780758070005)
CLASS DESCRIPTION:	A combination of lecture, lab exercises, and hands-on training designed to help the student implement strong authentication, understand the basics of cryptography and computer forensics.
CLASS OBJECTIVES:	To provide the student with an in-depth knowledge of securing computer networks through the use of PKI.
CLASS FORMAT OVERVIEW:	<p>The class is conducted in lecture and instructor demonstrations, opportunity will be given for questions-and-answer discussion as well as tactile learning experiences.</p> <p>Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.</p>
METHOD OF INSTRUCTION:	Each topic will be discussed thoroughly and will be supplemented with written materials. Class work and homework will give the student experiential opportunities.
ATTENDANCE:	<p>It is expected that each student will be in class <u>when class begins</u>. Should the student arrive more than <u>five minutes late</u> they should notify the instructor of their presence, it will be up to the instructor to decide if the student has arrived in time to be counted as present- the instructor's decision is final.</p> <p>A minimum of 80 % attendance is required to complete this class. (Note:If a student misses more than this, he or she will not get a passing grade in this class!)It will be the student's responsibility to learn of any assignments given in class when absent. .</p>
TESTING:	Weekly tests will be given each week, with a module final exam on the last week of the module.
LATE TESTING:	A late test will result in a 10% penalty (Tests start with a B). All retakes and late tests must be scheduled with the instructor in a timely manner.

**GRADING POLICIES:**

The grading system for this module consists of the following:

Attendance, participation, professional attitude	10%
Homework	25%
Weekly exams	40%
End-of-module final	25%

**ANTICIPATED LEARNING  
OUTCOMES:**

Upon completing this course, the student will be able to:

1. Intro to PKI.
2. Cryptography and Data Security.
3. Computer Forensics
4. Law and Legislation
5. Biometrics
6. Strong Authentication
7. Digital Certificates
8. Digital Signatures.

## **6 Week Tentative Schedule**

CSN332

### **Week 1**

Chapters 1 and 3  
Homework due, review  
Test

### **Week 2**

Chapter 2  
Homework due, review  
Test

### **Week 3**

Chapters 4  
Homework due, review  
Test

### **Week 4**

Chapters 5,6  
Homework due, review  
Test

### **Week 5**

Chapters 7  
Homework due, review  
Test

### **Week 6**

Chapters 8  
Homework due, review  
Test

