

# Course Syllabus

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**Course Name: Security Concepts**  
**Course Number/Section: SEC 110 / 01**

Spring Semester 2011 Class Hours: TTH 8:00-9:15

Instructor:	Lee Anne H. Bryan, M.EGR.	Office Location:	Building 17 – Office 103 Parker High Technology Building
Office Phone:	(910) 879-5653	Office Hours:	Monday: 9:25-10:25 am Tuesday: 9:15-10:15 am, 2:45-3:15 pm Wednesday: 9:25-10:25 am Thursday: 9:15-10:15 am, 2:45-3:15 pm
E-mail:	lbryan@bladenc.c.edu		
Instructor Webpage:	<a href="http://www.n4rsa.com">http://www.n4rsa.com</a>		

**TEXT, REQUIRED SOFTWARE and MATERIALS:**

*Security+ Guide to Network Security Fundamentals*, third edition, Author: Mark Ciampa, Course Technology, 2009, ISBN 9781428340664

*LabConnection Online Printed Access Card for Security+ Guide to Network Security Fundamentals*, Course Technology, ISBN 9781111136734

(1) USB 2.0 Portable Flash Drive

**DESCRIPTION:**

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security. Upon completion, students should be able to identify information security risks, create an information security policy, and identify processes to implement and enforce policy.

**Special Needs Information:** Students with special needs related to a diagnosed disability should contact Tommy Rains (910.879.5570; [trains@bladenc.c.edu](mailto:trains@bladenc.c.edu)) in student services for assistance.

**GOALS/STUDENT LEARNING OUTCOMES** (Students will be able to demonstrate competency in the following areas):

1. Identify the challenges for information security
2. Identify information security risks
3. Create an information security policy
4. Identify processes to implement and enforce policy

**REQUIREMENTS:**

Assignments & Case Projects  
Tests  
Mid-Term Exam  
LabConnection  
Research Paper  
Project – Information Security Policy  
Final

**EVALUATION:**

Regular attendance is required to pass this course. After 9 hours of absence, the student is dropped. This roughly equals 6 classes.

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## Course Syllabus (cont.)

All assignments will be given a point value; grades will be recorded as having achieved an amount of the total points possible.

Attendance and Participation	10%
Tests	10%
Mid-Term Exam	10%
Research Paper	10%
Assignments & Case Projects	30%
Project – Information Security Policy	10%
LabConnection	10%
Final	10%*

\*Exempt from Final Exam if student has an A average with 2 or less absences.

100 – 90 = A	89 – 80 = B	79 – 70 = C	69 – 60 = D	59 and below = F
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**Academic Integrity:** In addition to good academic performance, students should exhibit honesty and integrity. If there is any question that academic honesty and integrity are not honored, students may be required to redo assignments in the presence of an instructor-selected monitor. Proof of dishonesty, including plagiarism, will make students subject to disciplinary action. Please consult your college catalog for more information.

### Ground Rules:

#### 1. Course Attendance:

- Class attendance of 100% is expected. Class absences will demand a 10-point reduction per day in the student's attendance grade.
  - If contact is not made prior to the 10 percent point of the course, then the student will be dropped from the course with a grade of "W".
  - If absences exceed 20% of all scheduled contact hours, the student will be dropped from the course with a grade of "W" or "WF" depending on the official withdrawal date.
  - If absent from class for two consecutive weeks, the student will be dropped from the course with a grade of "W" or "WF" depending on the official withdrawal date.
- Punctuality is expected. Students who are late for class may be denied admittance and be considered absent for the class. If allowed to enter class, a 5-point reduction per day in the student's attendance grade will be applied. Students who leave early, without instructor permission, may receive an absence mark for the class.
- See the college catalog for current policy concerning class attendance, tardiness, drop / add periods, etc.

#### 2. Course Assignments:

- Late assignments will be accepted at the discretion of the instructor. However, no late assignments will be accepted during final exam week.
- The student will be responsible for completing and saving assignments in the specified file types. Any other format will not be accepted.
- The student will be responsible for completing the lab assignments and will be expected to fully understand the material. Completion of all assigned labs is a requirement for successful course completion.
- All coursework must be completed. It is not the responsibility of the instructor to advise the student of missed work during the semester or the last week of the semester.
- If the student misses or arrives late to a lecture / lab, the student is responsible for the material presented, handouts distributed, and any announcements made that day. The instructor will not provide notes for missed classes.

## Course Syllabus (cont.)

### 3. Course Quizzes and Exams:

- Quizzes, tests, and exams must be taken on the scheduled date; otherwise a grade of zero will be assigned. Any exceptions to this policy must be the result of a documented emergency or prior arrangement with the instructor. Make-ups must be taken within one week of the originally scheduled test date and will be assessed a three (3) point deduction from the exam grade for each day that the exam is late. It is the responsibility of the student to make necessary arrangements with the instructor to take the make-up test or exam in the appropriate time frame.
- Final exams should be taken on the date specified in the exam schedule, unless a conflict occurs. Please notify the instructor of any problems with the scheduled final exam date.

### 4. Course Cell Phone and Pager Policy:

- You may have a cell phone in this class, but let family and friends know it is for emergency calls only. You must set the phone on silent or vibrate or you will lose the privilege of having a phone in class. Please step outside to answer any emergency calls. Also, accepting a page or cell phone call *during a quiz or exam* will result in that student's paper being confiscated at the time of the page / call.
- NOTE: Having a pager or cell phone in class is an individual privilege which can be easily revoked by the instructor on a per student basis for abuse of the class policy.

## SEC 110: Security Concepts

Course Schedule (*Highly Volatile and Subject to Change!*)

Week 1 Jan. 6-12	Syllabus; Introduction to Security
Week 2 Jan. 12-20	Systems Threats and Risks
Week 3 Jan. 21-27	Protecting Systems
Week 4 Jan. 28-Feb. 3	Network Vulnerabilities and Attacks; Test #1
Week 5 Feb. 4-10	Network Defenses
Week 6 Feb. 11-17	Wireless Network Security
Week 7 Feb. 18-24	Research Paper; Access Control Fundamentals
Week 8 Feb. 25-Mar. 3	Mid-Term Exam; Authentication
Week 9 Mar. 4-17	Performing Vulnerability Assessments
Week 10 Mar. 18-24	Conducting Security Audits
Week 11 Mar. 25-31	Basic Cryptography; Test #2
Week 12 Apr. 1-7	Applying Cryptography
Week 13 Apr. 8-14	Business Continuity

## **Course Syllabus (cont.)**

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Weeks 14-15 Apr. 15-29	Project – Information Security Policy; Security Policies and Training
Week 16 May 2-6	Final Exam