	River Valley Community College
	Enterprise Security Management CYSC 130 ZZ
	Spring Semester 2015
	Instructor: Mike DeBlock
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Syllabus

Last updated: 01/2015

Welcome

Welcome to Enterprise Security Management. This course explains ways in which IT professionals can identify risks, threats, and vulnerabilities to information systems. Furthermore, it offers ways to assess, mitigate, and manage risk effectively within an organization. Finally, the course explains effective planning approaches for business impact analysis (BIA), business continuity, and disaster recovery.

Course Description

This course focuses on the managerial aspects of information security and assurance. Topics covered include access control models, information security governance, and information security program assessment and metrics. Coverage on the foundational and technical components of information security is included to reinforce key concepts. The course includes up-to-date information on changes in the field, such as national and international laws and international standards like the ISO 27000 series.

Prerequisites

Computer Network Security (CPTC212)

Blackboard Student Orientation

If this is your first online course at CCSNH, please complete the online student orientation. This orientation offers the opportunity to familiarize you with online courses.

http://www.ccsnh.edu/online-learning-blackboard/students

Available Technical Support

Frequently asked questions regarding online learning, Student Information System (SIS) and student email can be found at the link below by clicking "Support Center".

http://www.ccsnh.edu/academics/online-learning-blackboard

Required Resources

Textbooks:

TITLE: Managing Risk in Information Systems, Second Edition

- AUTHOR: Gibson
- COPYRIGHT YEAR: 2015
- PUBLISHER: Jones & Bartlett Learning
- ISBN: 9781284064674

Textbooks are available through the College Bookstore.

- Go to the College's website (www.rivervalley.edu), look under "Student Resources," and then click on Bookstore.

- Use the course number (CYSC 130 ZZ) to locate textbook information.

Software/Free Downloads: These will allow you to access a variety of course resources, including, but not limited to, podcasts, videos, and PDF files.

Acrobat Reader

Flash Player

QuickTime Player

PowerPoint Viewer

JAVA

Google Drive / Docs

Learning Objectives

Upon completion of this course the student should be able to:

1. Explain the basic concepts of and need for risk management.
2. Explain methods of mitigating risk by managing threats vulnerabilities, and exploits.
3. Identify compliancy laws, standards, best practices, and policies of risk management.
4. Describe the components of an effective organizational risk management program.
5. Describe techniques for identifying and analyzing relevant threats, vulnerabilities, and exploits.
6. Describe the process of performing risk assessments.
7. Identify assets and activities to protect within an organization.
8. Identify threats, vulnerabilities, and exploits.
9. Identify risk mitigation security controls.
10. Describe concepts for planning risk mitigation throughout an organization.
11. Describe concepts for implementing a risk mitigation plan.
12. Perform a business impact analysis.
13. Create a business continuity plan (BCP) based on the findings of a given risk assessment for an organization.
14. Create a disaster recovery plan (DRP) based on the findings of a given risk assessment for an organization.
15. Create a computer incident response team (CIRT) plan for an organization.

Instructor's Communication Policy

Email Response Time

During the week, I will respond to emails within 24 hours. I will be checking email periodically on weekends.

Office Hours

Please see my contact information under "Instructor Contact."

Overview of Course Structure

My primary role as your instructor is to be a facilitator for learning. I strive to create an inviting environment that challenges, yet supports, students. I presume that we will agree to the following: to collaborate and cooperate with each other, to participate in activities thoughtfully, and to listen and respond to one another respectfully. In addition, we will utilize the CCSNH netiquette statement to guide our online work and interactions.

Policies

Students registered for online courses must comply with all policies and guidelines (such as civil rights, disabilities services, harassment, and plagiarism) in the student handbook and other publications of the college offering the course. For more information, refer to: http://www.ccsnh.edu/about-ccsnh/board-policies-system-policies-and-fees

Assignments

Specific information for each assignment will be provided. You may post questions you have about assignments under the Questions discussion board forum.

I expect that all assignments will be turned in on time. Late assignments will be marked down at the instructor's discretion. Also, assignments that are more than two weeks overdue will not be accepted unless there are extenuating circumstances and alternative arrangements have been made.

Academic Honesty

Students are expected to uphold all College policies related to academic honesty. Please be sure you read and understand the section on academic integrity in the RVCC Student Handbook. Students are advised that their assignments may be submitted to SafeAssign.

The computer technology program has a very specific code of conduct. Lying, cheating, stealing or tolerating those in the program who do, is not acceptable.

Intellectual Property Rights

Students enrolled in this course that choose to continue past the course drop date with full refund have chosen to opt in to the conditions of this course. Any and all work completed by the students, as part of this course, is the property of River Valley Community College and may be used by the faculty or staff in any way to better the academic community at RVCC. Students will receive appropriate acknowledgment or credit for such usage.

Accommodations for Students with Learning Disabilities

This college provides reasonable accommodations for students with learning disabilities. Students who require course accommodations due to documented disabilities must share their college Accommodation Plans with me. Please contact the Disability Coordinator at 542-7744, extension 5421, cdriesch@ccsnh.edu if you do not have a college plan or would like more information about disability services.

Netiquette

Students shall comply with CCSNH Netiquette (http://www.ccsnh.edu/students/netiquette-at-ccsnh Netiquette) as articulated on the system web site.

Course Structure and Content

Most Assignments & Units will open on <u>Monday</u> and close on <u>Sunday</u>. There will, however, be some variations to this schedule due to holidays. Therefore, please be sure to read the directions for each week carefully. Deadlines are critical.

For this course there is a <u>Final Project</u>. The project will be introduced at the beginning of the course and you will have deliverables throughout the duration of the course. They are noted on the schedule below.

Week Due Date!!!	Topics	Reading & Assignments	Assignments Due
Week 1: 01/20 – 01/23	Introduction Chpt 1 – Risk Management Fundamentals	Chapter 1 Project P1, T1	Chpt Discussion
Week 2: 01/26 – 01/30	Chpt 2 – Managing Risk: Threats, Vulnerabilities, and Exploits	Chapter 2 Lab 1	Chpt Discussion Lab 1
Week 3: 02/02 – 02/06	<u>Chpt 3 – Maintaining Compliance</u>	Chapter 3 Lab 2	<u>Chpt Discussion</u> <u>Lab 2</u>
Week 4: 02/09 – 02/13	Chpt 4 – Developing a Risk Management Plan	Chapter 4 Assignment Lab 3 Project P1, T2	Chpt Discussion Assignment Lab 3 Project Part 1, Task 1
Week 5: 02/16 – 02/20	Chpt 5 – Defining Risk Assessment Approaches Chpt 6 – Performing a Risk Assessment	Chapter 5 Lab 4 Chapter 6 Assignment	Chpt Discussions <u>Lab 4</u> Assignment
Week 6: 02/23 – 02/27	Chpt 7 – Identifying Assets and Activities to Be Protected	Chapter 7 Project P1, T3	Chpt Discussion Project Part 1, Task 2
Week 7: 03/02 – 03/06	<u>Chpt 8 -</u> Identifying and Analyzing Threats, Vulnerabilities, and Exploits **<u>Mid-Term Exam</u>**	Chapter 8 Lab 5 **<u>Mid-Term Ex</u>**	Chpt Discussion <u>Lab 5</u> **<u>Mid-Term Exam</u>**
Week 8: 03/09 – 03/13	Chpt 9 – Identifying and Analyzing Risk Mitigation Security Controls	Chapter 9	Chpt Discussion

Week 9: 03/16 – 03/20	**Spring Break No Classes**		

Week 10 : 03/23 – 03/27	Chpt 10 – Planning Risk Mitigation Throughout Your Organization	Chapter 10 Lab 6 Project P2, T1	Chpt Discussion Lab 6 Project Part 1, Task 3
Week 11: 03/30 – 04/03	Chpt 11 – Turning Your Risk Assessment into a Risk Mitigation Plan	Chapter 11	Chpt Discussion
Week 12: 04/06 – 04/10	Chpt 12 – Mitigating Risk with a Business Impact Analysis	Chapter 12 Lab 7 Project P2, T2	Chpt Discussion Lab 7 Project Part 2, Task 1
Week 13: 04/13 – 04/17	Chpt 13 – Mitigating Risk with a Business Continuity Plan	Chapter 13 Lab 8 Project P2, T3	Chpt Discussion Project Part 2, Task 2
Week 14: 04/20 – 04/24	Chpt 14 – Mitigating Risk with a Disaster Recovery Plan	Chapter 14 Lab 9 Project P2, T4	Chpt Discussion Project Part 2, Task 3
Week 15: 04/27 – 05/01	Chpt 15 – Mitigating Risk with a Computer Incident Response Team Plan	Chapter 15 Lab 10 Final Project	Chpt Discussion Project Part 2, Task 4
Week 16: 05/04 – 05/08	**Final Exam**	**Final Exam**	Final Project **Final Exam**

Assessment

Assignment:	Weight:
Discussion	10%
Assignment	12%
Labs	20%
Project	34%
Exams	24%
Total	*100%*

Grading

Final grades will be assigned as follows:

A		94 – 100
A-		90 – 93
B+		86 – 89
B		83 – 85
B-		80 – 82
C+		76 – 79
C		73 – 75
C-		70 – 72 (Non-Transferable)
D		60 – 69 (Essentially an F)
F		59 and Below

If a student has not participated in online activities for seven consecutive days, then he/she will be withdrawn from the course and will receive a grade of AF. (Please see the RVCC Student Handbook for more information on auxiliary grades.)

Conclusion: As your instructor, I am here to help you to succeed! Please, do not hesitate to contact me.

CAVEAT

This syllabus is subject to change at any time.