

Course Syllabus

NOTE: This syllabus is subject to change during the semester. Please check this syllabus on a regular basis for any updates.

Department :Computer Information Sciences

Course Title :Firewalls and Network Security

Section Name :ITSY2301.WB

Start Date :August 27, 2012

End Date :December 8, 2012

Modality :Online using Black Board

Credits : (3-1) 3 hours

Instructor Information

Name : Jon Calder

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Course Description

Identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities.

Prerequisites/Co-requisites

Prerequisite: ITSY 1342 or consent of instructor.

ICO's

1, 2, 3, 4, 6

Course Objectives

Demonstrate system security skills through firewall implementation and testing; use system tools, practices, and relevant technologies to implement a security plan; evaluate practices, tools, and technologies to identify security breaches, sources of attacks, and protect mission critical systems; establish an appropriate level of security based on an analysis of security logs; and use relevant tools to secure a network, respond to and follow up on various types of attacks.

Required Readings/Materials

1. Access to a personal computer with Internet access
2. Word processor of some type
3. The following book



- **Guide to Firewalls and VPNs, 3rd Edition**
- **Michael E. Whitman - Ph. D., CISM, CISSP** - Kennesaw State University
- **Herbert J. Mattord - MBA, CISM, CISSP** - Kennesaw State University
- **Andrew Green, M.S.I.S** - Kennesaw State University
- ISBN-10: 1111135398 ISBN-13: 9781111135393
- 528 Pages Paperback
- ©2012 Published

Course Requirements (Lectures, Assignments and Assessments)

See grading policy below.

Grading Policy

COURSE REQUIREMENTS:

ALL STUDENTS ARE EXPECTED TO:

1. Take all exams and complete all homework.
2. Complete all lab projects.

WEIGHT OF COURSE REQUIREMENTS:

Chapter Exams	40%
Forums	15%
Final Exam	15%
Assignments	30%

METHOD OF EVALUATION:

The general weighting of exams, assignments, and final exam for the Final grade in this particular course are:

Exams& Quizzes:	40%	A: 90 - 100
Labs & Assignments:	30%	B: 80 - 89
Forums:	15%	C: 70 - 79
Final Exam:	15%	D: 60 - 69
		F: 0 - 59

NOTE: ALL ASSIGNMENTS FOR THE ENTIRE SEMESTER ARE POSTED ON THE CLASS WEBSITE. ALL QUIZZES AND LAB Due DATES WILL BE ANNOUNCED ON THE CLASS WEBSITE.

Discussion Board POLICY

Discussion boards will be recorded and you will be graded once a week according to your participation. I expect you to have your own post and comment on at least one other person's post on the forum. Most

of the questions I post will not have a right or wrong answer and most will be your opinion. As for the response to another student's post it should be cordial and professional. I will not tolerate bad behavior or bullying on any posts. It is great to have a difference of opinion, but do not belittle or bully the other's opinion just because you disagree. As for a response, I expect some thought and intelligence behind it, and not something along the lines of "I agree with John." That does nothing to support or continue the discussion. Remember you do not have to post at all, but the highest grade you could achieve for the class would be a "B"; and if you chose not to respond to others' posts the highest discussion grade you could receive would be a 75%. So please participate.

COURSE REQUIREMENT DEADLINES

Credit will be given for ONLY those exams completed on exam days, and homework, and projects completed and turned in by the announced deadlines, unless prior arrangements have been made with and approved by the instructor. Zeros (0) will be recorded for any work for which arrangements have not been approved!!

- There are NO make-up exams, UNLESS you have made prior arrangements with me.

IMPORTANT NOTE

It is the policy of this instructor to help you complete this course. If you believe that you cannot complete this class due to medical, family, financial, social, or job related problems or conflicts, you should see me to discuss your options.

ACADEMIC ETHICS:

You are expected to create, edit format and print out your own assignments, take tests without outside assistance. ALL WORK IS EXPECTED TO BE YOUR OWN.

If unethical behavior is detected:

WITH YOUR FIRST OFFENSE, YOU WILL RECEIVE ZEROS FOR THE ENTIRE CHAPTER AND the LAB TEST for that chapter.

WITH YOUR SECOND OFFENSE, YOU WILL BE KICKED OUT OF THE CLASS WITH A FINAL GRADE OF "F," NO QUESTIONS ASKED.

Special Needs

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss our concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Learning Resource Center (Library)

The Library, known as the [Learning Resources Center](#), provides research assistance via the [LRC's catalog \(print books, videos, e-books\)](#) and [databases \(journal and magazine articles\)](#). [Research guides](#) covering specific subject areas, [tutorials](#), and the "[Ask a Librarian](#) " service provide additional help.

Student E-mail

Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All correspondence will be submitted using your Odessa College email.**

Student Portal

Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All correspondence will be submitted using your Odessa College email.**

Technical Support

For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies

For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).

What to Expect from the Instructor on timely Grading.

Within a week of an assignment being due you should have a grade within the online grade book on Black Board. If for some reason you do not have a grade posted immediately contact me via email. There could be a problem with the assignment that requires immediate attention.

Student Evaluations of the course/ instructor

The SEI process for both face-to-face and online courses is scheduled for the week of November 26th.