

Course Information

CNS-533
Enterprise Security Infrastructure Controls and Regulatory Compliance
Autumn 2017 - Lecture
Tuesday 17:45-21:00
14EAS 802 at Loop Campus

Instructor Information

Instructor: Joe Hartmann
Office: Classroom
Office Hours: Tue 5:20-5:45pm, 9-9:30pm in classroom
*Other times by appointment
Cell: (773) 245-6316
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Course Description

Design, implementation, support and management of control methods in enterprise environments. Focus is on how these controls can help organizations achieve regulatory compliance. Review of Sarbanes-Oxley and its impact on IT systems. Detailed study of how risk assessment methods, information security program management and ERP systems can be used to fulfill regulatory and legal requirements. Control Objectives for Information and related Technology (COBIT) guidelines and best practices for SOX compliance. Security management standards (ISO 17799, BS 7799 and ISO 27001) .

Prerequisites

CNS 440 or IS 433

Textbook

Readings that are required for the course will be posted to a category titled, "Required Readings". They will be available to download without any additional cost.

Course Objectives

1. Students will be able to analyze a risk/security assessment and apply controls
2. Students will be able to identify required controls based on legislation, regulations and/or contractual requirements
3. Students will be able to create documentation required to manage and sustain a security program
4. Students will be able to demonstrate knowledge of security software

Course Management System

D2L - <https://d2l.depaul.edu/login.asp>
<http://teachingcommons.depaul.edu/Technology/d2l/>

Agenda

DATE	TOPIC	ASSIGNMENT
Week 1	Course Introduction and Risk Management Review (SP 800-30)	Security Assessment
Week 2	ISO 27001	Draft - Control Framework
Week 3	PCI DSS	Draft – Encryption procedure
Week 4	CIS Critical Controls, Cloud Security Alliance (CSA)	Lab 1
Week 5	Incident Response Program Management	Draft – Encryption Standard
Week 6	COBIT Security Control Objectives, SSAE16	Lab 2
Week 7	IT Control Objectives for Sarbanes-Oxley with Focus on Infrastructure Controls	Lab 3
Week 8	SABSA	
Week 9	Information Security Management Systems Security Engineering Capability Maturity Model Security Awareness Program	Updated Security Assessment
Week 10	Course Review	
Week 11	Week of Final Exams	Course Project

Grading

Grading is based on the manner in which you fulfill the objectives of this course. I will grade all your assignments on a percentage basis, which I will then convert to a letter. I will convert percentages to letters based on the following schedule:

Percentage Grade	Letter Grade	Manner of fulfillment
92-100	A	Excellent
90-91	A-	
88-89	B+	
82-87	B	Very Good
80-81	B-	
78-79	C+	
72-77	C	Satisfactory
70-71	C-	
68-69	D+	
62-67	D	Poor
60-61	D-	
0-59	F	

The weights of each assignment for contributing to the final average are as follows:

Assignment	Weight in final grade
Homework	50%
Participation	10%
Course Project	40%

Homework

The draft assignments for this course will be resubmitted within the course project at the end of the quarter. You are required to improve your drafts over the quarter using the feedback within your assignment and the material that is covered during the lecture. Each assignment will be reviewed during the lecture.

Participation/Attendance

Attendance and participation is mandatory for this course. Online students will be required to submit answers to questions during each lecture.

Course Project

All students are required to submit a course project as defined in the course project assignment. It is due at 21:00 central time (9pm), November 21st, 2017.

Class Cancellation

Unless DePaul University closes because of weather, we will have class.

Incompletes & Drops

Students must formally request an incomplete by filling out an [Incomplete Grade Request Form](#).

Last day to drop class with no penalty is September 19th, 2017
Grade of "W" assigned if dropped on or after September 20th, 2017

Changes to Syllabus

This syllabus is subject to change as necessary to better meet the needs of the students. Significant changes are unlikely, and will be thoroughly addressed in class. Minor changes, especially to the weekly agenda, are possible at any time. You will be informed of all such changes.

Online Course Evaluations

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in [CampusConnect](#).

Academic Integrity and Plagiarism

This course will be subject to the university's academic integrity policy. More information can be found at <http://academicintegrity.depaul.edu/> If you have any questions be sure to consult with your professor.

Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the [University Academic Calendar](#). Information on enrollment,

withdrawal, grading and incompletes can be found at
<http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx>.

Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.

To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312)362-8002

Fax: (312)362-6544

TTY: (773)325.729