

Course	SECR 5080 – Information Systems Security
Term	Fall 2 2009
Instructor	Name: Max Boedder Phone: (915) 328-1689 (mobile) Email: boeddema@webster.edu ;
Catalog Description	Students examine the management of information security and data-processing facilities, including thefts of data, unauthorized uses of information technology, computer viruses, and methods of protecting information, with an emphasis on networked computers. The course covers information technology laws, issues of privacy, and security planning.
Prerequisites	Must be capable of graduate work. Should have attended SECR 5000 and/or have experience in security management or have cleared attendance in advance with the instructor.
Course Level Learning Outcomes	<p>After completing this course, students should be able to explain:</p> <ul style="list-style-type: none"> • concept of confidentiality, integrity, and availability as applied to Information Systems Security • authentication, authorization, and permission as applies to security policy. • protection theory and strategy as applied to networks, computer, and communication devices. • managerial roles in securing the Information Systems environment. • cryptography as it applies to networking, operating systems, and data storage. • technical controls and devices used to achieve secure environments. • managerial controls used to achieve secure environments • policy theory, application, and practice. • risk assessment of networked computers, networking devices, and organizational practices. • security models to include application development, network infrastructure, and physical facility. • disaster planning and disaster recover models. • laws and issues of privacy. <p>In addition, students will:</p> <ul style="list-style-type: none"> • know and explain the important terminology, facts, concepts, principles, and theories used in the field of Business and Organizational Security Management. These will consist of the mandatory topics taught in the pre-requisite, advanced core courses, and integrative capstone course.

	<ul style="list-style-type: none"> • apply the important terminology, facts, concepts, principles and theories in the field of Business and Organizational Security Management to analyze simple to moderately complex factual security situations. • creatively construct and implement moderately complex Business and Organizational Security Management solutions to real organizational problems using frameworks procedures, and methods derived from the individual security discipline of Information Systems Security. • assess the effectiveness of their solutions by quantitatively or qualitatively measuring their results against theory-based criteria and standards of performance. • utilize themselves as scholar-practitioners, capable of creatively synthesizing intellectual explanation of security models with methodological competencies and experience-based perceptual skills and judgment.
Materials	Ronald L. Krutz and Russell Dean Vines, The CISSP Prep Guide: Gold Edition, Wiley. Latest Edition
Grading	<p>Course Grades</p> <p>Your course grade will be based on your scores on your examinations, paper, presentation, and your contributions to the class discussions. These different components will be weighted as follows:</p> <ul style="list-style-type: none"> ▪ Research Paper: 30% ▪ Class Presentation: 10% ▪ Class Discussions/Participation 10% ▪ Mid-term test: 25% ▪ Final test: 25% <ul style="list-style-type: none"> ▪ A/A- Superior graduate work ▪ B+/B/B- Satisfactory graduate work ▪ C Work that is barely adequate as graduate-level performance ▪ CR Work that is performed as satisfactory graduate work (B- or better). A grade of "CR" is reserved for courses designated by a department, involving internships, a thesis, practicums, or specified courses. ▪ F Work that is unsatisfactory ▪ I Incomplete work ▪ ZF An incomplete which was not completed within one year of the end of the course. ZF is treated the same as an F or NC for all cases involving G.P.A., academic warning, probation, and dismissal. ▪ IP In progress ▪ NR Not reported ▪ W Withdrawn from the course

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<p>Activities</p>	<p><u>Research Paper Project</u> Research paper project should follow the APA stylebook format . Good technical writing is concise, is void of colloquialisms, is absolutely nonsexist, and is generally written in the third-person. Pay particular attention to the way you use headings and sub-headings to clarify the organization of your paper. Your paper should be in the range of ten pages (excluding references, tables, and appendixes). See APA Form and Style manual for additional guidance on format. Students will make a presentation of the Research Paper Project in class.</p> <p><u>Example of Research Paper Project Sections (parts of the paper)</u></p> <ul style="list-style-type: none"> -Title Page -Table of Contents -List of Figures (Optional) -List of Tables (Optional) -Abstract (one page maximum) -Introduction -Multiple Sections on the Topic -Conclusion -Reference <p><u>Class Presentation</u> Students are expected to complete a research paper on a topic dealing with Security Administration and Management. They are also expected to prepare a 10-15 minute class presentation, supported by electronic projection (Microsoft® PowerPoint®) that highlights the student’s research.</p> <p><u>Midterm and Final Exams</u> Each exam will be given in class. The midterm exam will be given during week five class and the final during week nine class.</p>																																
<p>Policy Statements: University Policies</p>	<p>University policies are provided in the current course catalog and course schedules. They are also available on the university website. This class is governed by the university’s published policies. The following policies are of particular interest:</p>																																

	<p>Academic Honesty The university is committed to high standards of academic honesty. Students will be held responsible for violations of these standards. Please refer to the university’s academic honesty policies for a definition of academic dishonesty and potential disciplinary actions associated with it.</p> <p>Drops and Withdrawals Please be aware that, should you choose to drop or withdraw from this course, the date on which you notify the university of your decision will determine the amount of tuition refund you receive. Please refer to the university policies on drops and withdrawals (published elsewhere) to find out what the deadlines are for dropping a course with a full refund and for withdrawing from a course with a partial refund.</p> <p>Special Services If you have registered as a student with a documented disability and are entitled to classroom or testing accommodations, please inform the instructor at the beginning of the course of the accommodations you will require in this class so that these can be provided.</p> <p>Disturbances Since every student is entitled to full participation in class without interruption, disruption of class by inconsiderate behavior is not acceptable. Students are expected to treat the instructor and other students with dignity and respect, especially in cases where a diversity of opinion arises. Students who engage in disruptive behavior are subject to disciplinary action, including removal from the course.</p> <p>Student Assignments Retained From time to time, student assignments or projects will be retained by The Department for the purpose of academic assessment. In every case, should the assignment or project be shared outside the academic Department, the student's name and all identifying information about that student will be redacted from the assignment or project.</p> <p>Contact Hours for this Course It is essential that all classes meet for the full instructional time as scheduled. A class cannot be shortened in length. If a class session is cancelled for any reason, it must be rescheduled.</p>
Course Policies	Students are to submit all required products in a consistent and timely basis.
Weekly Schedule	<p>Week One: Reading: chapters one and two Assignments and Activities: Discuss text, syllabus, assignments, quizzes, and requirements to include research project.</p>

Week Two:

Reading : chapter three

Assignments and Activities:

Discussion: How the topic covered this week is integrated into policy by management.

Week Three:

Reading: chapter four

Assignments and Activities

Discussion: How the topic covered this week is integrated into policy by management

Week Four:

Reading: chapters five and six

Assignments and Activities

Discussion: How the topic covered this week is integrated into policy by management

Week Five:

Reading: chapters seven and eight

Assignments and Activities

Discussion: How the topic covered this week is integrated into policy by management

Midterm Exam

Week Six:

Reading: chapter nine

Assignments and Activities

Discussion: How the topic covered this week is integrated into policy by management

Week Seven:

Reading: chapter ten

Assignments and Activities

Discussion: How the topic covered this week is integrated into policy by management

Week Eight:

Reading: chapter eleven

Assignments and Activities

Discussion: How the topic covered this week is integrated into policy by management

Start student presentations (in class)

	<p>Week Nine: Reading: All previously assigned Assignments and Activities Discussion: How the topic covered this week is integrated into policy by management Finish student presentations (in class) Final Exam Course Wrap up</p>
Additional Information	None

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