

Course	ITM 5600 – Information and Communications Security
Term	Fall 1 2008 August 18 – October 17, Monday 6 – 10 pm
Instructor	Name: John F. Burwick Phone: 803-479-3662 Email: burwijoh@webster.edu
Catalog Description	This course focuses on the analysis and management of information and information systems security including processes, technology, and facilities
Prerequisites	ITM 5000 – Information Technology Management - Overview
Incoming Competency Expected of Student	Students are expected to have mastered skills and competencies in written, oral and critical thinking expected of graduate students. Students are expected to be able to demonstrate higher level thinking skills such as analyzing, evaluating and synthesizing information and data generated from required and supplemental reading and realworld data analysis assignments
Course Level Learning Outcomes	After completing this course, students will: <ul style="list-style-type: none"> • <i>know and explain the important technical and management terminology, concepts, principles, techniques, and theories related to the technical aspects of information and communications security management.</i> • <i>be able to effectively apply important technical and management concepts, principles, practices, techniques, and theories needed to critically analyze an organization's information and communications security requirements.</i> • <i>be able to effectively apply important technical and management concepts, principles, practices, techniques, and theories needed to design and recommend appropriate security solutions.</i> • <i>be able to effectively apply important technical and management concepts, principles, practices, techniques, and theories needed to manage the implementation and on-going administration of recommended security solutions.</i>
Materials	(1) Principles of Information Security 3rd edition Michael E. Whitman and Herbert J. Mattord Thompson Course Technology, Boston, MA, : ISBN 1-4239-0177-0 (2) Publication Manual of the American Psychological Association (APA Manual), American Psychological Association, 5th Ed, 2001, Washington, D.C: ISBN: 1-55798-791-2.

	<p>Additional Helpful Text: Computer Security Handbook, 4th edition, 2002 Seymour Bosworth & M. E. Kabay John Wiley & Sons Publishers: ISBN: 0-471-41258-9 (paperback edition)</p>
<p>Grading</p>	<p>South Carolina regional scale will be used. A 96 - 100 A- 90 - 95 B+ 87 - 89 B 84 - 86 B- 80 - 83 C 70 - 79 F 69 or Below</p> <p>The course will be presented in a lecture/demonstration/class room and online discussion format with questions welcomed at any time. Class participation is encouraged on all discussion topics and to queries by the instructor. Specific requirements for this course include and are graded as follows: Quizzes given throughout the course 40% of grade Midterm and final exams 40% of grade Research project analyses and summaries 20% of grade</p> <p>A word on Graduate Writing: Each student must demonstrate proficiency in the use of the English language in the writings submitted for this course. Grammatical errors, spelling errors, and writing that does not express ideas clearly will affect your final grade. Students are advised to use The Publication Manual of the American Psychological Association (Fourth Edition) for form, style and general writing principles in the preparation of assignments. Students are encouraged to read the BUGS in Writing book as it is written for Computer Professionals. The Webster University on-line writing center is available at http://www.webster.edu/acadaffairs/asp/writing.html. Students are instructed to use the Webster University's PASSPORTS library at http://library.websteruniv.edu/ for research submitted for this course. Practical Research Planning and Design will be used to prepare research data summary results.</p> <p>The GRADUATE catalog provides these guidelines and grading options:</p> <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.,

	<p>academic warning, probation, and dismissal.</p> <ul style="list-style-type: none"> • IP In progress • NR Not reported • W Withdrawn from the course
Activities	
Policy Statements: University Policies	<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</p>

	<p>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	<p>ATTENDANCE POLICY: The university reserves the right to drop students who do not attend class the first week of the term/semester. Students are expected to attend all class sessions of every course. In the case of unavoidable absence, the student must contact the instructor. The student is subject to appropriate academic penalty for incomplete or unacceptable makeup work, or for excessive or unexcused absences. Generally, a student who misses more than one four-hour course period (per course) without a documented military or medical excuse and advanced permission of the instructor should withdraw from the class.</p> <p>ABSENCE POLICY: If a student is absent, the instructor is to assign makeup work to cover the materials presented that week. If a student has two absences, the instructor has the option to lower the student's grade one letter grade and to inform the student of the action. If a student has three absences, the instructor has the option to assign a grade of F and to inform the student of the action. It is the student's responsibility to withdraw from the course. When the instructor chooses to award a grade of I (Incomplete) for three or four absences, the student must provide acceptable documentation to verify that the absences were unavoidable (e.g. – illness, work conflict, military temporary duty).</p>
Weekly Schedule	<p>Schedule or Required Readings, Discussions, Writing, Student Presentations and Exams:</p> <p><i>Week 1</i> Introduction to course Course requirement and expectations Overview and Discussion – Chapter 1</p> <p><i>Week 2</i> Overview and Discussion – Chapters 2 & 3 Review questions for Chapter 1 Due</p> <p><i>Week 3</i> Overview and Discussion – Chapters 4 & 5 Review questions for Chapters 2 & 3 Due</p> <p><i>Week 4</i> Overview and Discussion – Chapters 6 & 7 Review questions for Chapters 4 & 5 Due Review for Midterm</p> <p><i>Week 5</i> Review Questions for Chapters 6 & 7 Due Midterm Exam</p> <p><i>Week 6</i></p>

	<p>Overview and Discussion – Chapters 8 & 9 <i>Week 7</i> Overview and Discussion – Chapters 10 & 11 Review questions for Chapters 8 & 9 Due <i>Week 8</i> Overview and Discussion – Chapter 12 Review for Final Research Paper Due Review questions for Chapters 10 & 11 Due <i>Week 9</i> Final Exam Review questions for Chapter 12 Due</p>
<p>Additional Information</p>	<p>Visual Aids and Tools: The instructor will provide all equipment needed such as a laptop computer, digital projector and software to illustrate topics covered in the class. Many classes will feature demonstrations of hardware and software products and tools in common use in preventing system intrusion such as firewalls and operating system configuration considerations. Local area network components and vulnerabilities will be discussed and illustrated.</p>