

<b>Course</b>	ITM 5600 – Information and Communications Security
<b>Term</b>	Fall I 2009
<b>Instructor</b>	Name: Edward Gilliland Phone: 913-710-3838 Email: gillile@webster.edu
<b>Catalog Description</b>	This course focuses on the analysis and management of information and information systems security including processes, technology, and facilities.
<b>Prerequisites</b>	ITM 5000 – Information Technology Management - Overview
<b>Course Level Learning Outcomes</b>	<p>After completing this course, students will:</p> <ul style="list-style-type: none"> <li>• <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></li> <li>• <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></li> <li>• <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></li> <li>• <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></li> </ul>
<b>Materials</b>	<p><i>Management of Information Security</i>, by Whitman and Mattord, Thomson Course Technology</p> <p>The book may be obtained through MBS Direct Books at 1-800-325-3252 or <a href="http://www.mbsdirect.net">www.mbsdirect.net</a>.</p>
<b>Grading</b>	<p>Class participation will account for 15% of the final grade.</p> <p>Group project (written report and oral presentation) will account for 20%</p>

	<p>of final grade.  Term (research) paper will account for 15% of the final grade.  Mid-term and final exams will account for 50% of the final grade.</p> <p><b>The GRADUATE catalog provides these guidelines and grading options:</b></p> <ul style="list-style-type: none"> <li>• <b>A/A-</b> Superior graduate work</li> <li>• <b>B+/B/B-</b> Satisfactory graduate work</li> <li>• <b>C</b> Work that is barely adequate as graduate-level performance</li> <li>• <b>CR</b> 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.</li> <li>• <b>F</b> Work that is unsatisfactory</li> <li>• <b>I</b> Incomplete work</li> <li>• <b>ZF</b> 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.</li> <li>• <b>IP</b> In progress</li> <li>• <b>NR</b> Not reported</li> <li>• <b>W</b> Withdrawn from the course</li> </ul>
<p><b>Activities</b></p>	<ul style="list-style-type: none"> <li>• Short lectures</li> <li>• Facilitated discussion of assigned readings</li> <li>• Short, moderately complex cases and exercises</li> <li>• Term (research) paper</li> <li>• Group Project</li> <li>• Midterm and final exams</li> </ul>
<p><b>Policy Statements:  University Policies</b></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><b>Academic Honesty</b></p> <p>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><b>Drops and Withdrawals</b>  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><b>Special Services</b>  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><b>Disturbances</b>  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><b>Student Assignments Retained</b>  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><b>Contact Hours for this Course</b>  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>
<b>Course Policies</b>	<p>Attendance at all class sessions is expected.</p> <p>Late assignments will be accepted if prior arrangements have been made with the instructor, but will be given reduced points based upon the number of class sessions it is late.</p>
<b>Weekly Schedule</b>	<p>Topical Outline</p> <p>Week 1 Introduction to the Management of Information Security</p>

	<p>Week 2 Planning for Information and Systems Security</p> <p>Week 3 Information Security Policy and Standards / NIST Standards</p> <p>Week 4 Developing the Information Security Program / Midterm</p> <p>Week 5 Information Security Models and Practices</p> <p>Week 6 Information Protection: Identifying, Assessing, and Controlling Risk</p> <p>Week 7 Protection Mechanisms (e.g., access controls, firewalls, intrusion detection systems, cryptography)</p> <p>Week 8 Staffing and Administering the Security Function; Legal, Ethical, and Privacy Issues in Information Security</p> <p>Week 9 Comprehensive Final Examination</p>
<p><b>Additional Information</b></p>	<p><b>NIST 800-100 Information Security Handbook A guide for Managers:</b>  <a href="http://csrc.nist.gov/publications/drafts.html#sp800-100">http://csrc.nist.gov/publications/drafts.html#sp800-100</a></p>