

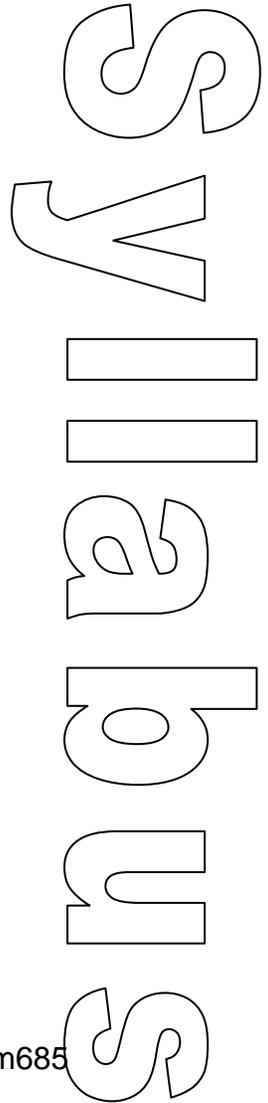


#9356 - ITM 685 Information Security

Spring 2011 Weekend MBA Program

Instructor: Sanjay Goel | Asst. Instructor: Damira Pon

Information Security: Why should managers care and what should they do about it? Information security is a complex topic and managers often struggle in making the right choices for security implementation in their organizations. This course builds a systematic approach for engaging in information security practices in an organization. It builds a thread through a few main elements of managing information security, i.e. knowing security threats, understanding the associated risks, learning security related laws, instituting security policies, handling security breach incidents, and planning for disaster. It also delves into the human factors in information security management which covers a broad range of topics such as, hacker motivations, privacy, intellectual property protection, and employee behavior.



CONTACT: goel@albany.edu | (518) 442-4925 | BA310b
damira@gmail.com | (518) 813-4239

OFFICE HOURS: By appointment.

WEBSITES: <http://www.albany.edu/~goel/classes/spring2011/itm685>
<http://bls.its.albany.edu/>

REFERENCE BOOK: Information Security: A Managers Guide to Thwarting Data Thieves and Hackers (PSI Business Security) by Philip Alexander
ISBN-10 0313345589 | ISBN-13 978-0313345586 | Amazon Price: \$44.95

COURSE DATES & TIMES

Jan. 28 (2-8:30pm) & 29 (9am – 4:30pm) | Feb. 11 (2-8:30pm) & 12 (9am – 4:30pm) |
March 4 (2-8:30pm) | *Friday Dinners 5 – 5:30pm | Saturday Lunches 12 – 12:30pm*



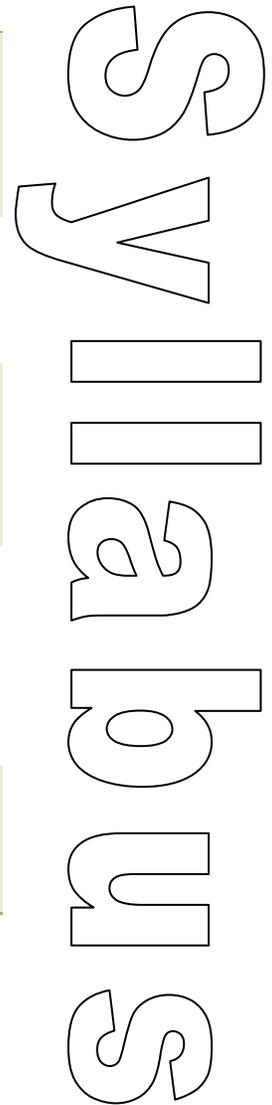
COURSE SCHEDULE

Date	Lessons
1/28	Lesson 1: Security Fundamentals <ul style="list-style-type: none"> - Introduction & Networking - Application Security Lab - Security Threats - Network Security Lab
1/29	Lesson 2: Security Controls & Risk Analysis <ul style="list-style-type: none"> - Security Controls - Firewall Lab - Risk Analysis, Cases & Project
2/11	Lesson 3: Identity Management & Privacy <ul style="list-style-type: none"> - Quiz on Lessons 1 & 2 - Identity Management - Password Security Lab - Privacy, IPP, & Employee Behavior
2/12	Lesson 4: Security Policy & Incident Handling <ul style="list-style-type: none"> - Security Legislation & Policies - Security Policy Cases & Project - Disaster Management - Incident Management / CERTs/CSIRTs - Forensics Lab
3/4	Lesson 5: Security Simulations & Review <ul style="list-style-type: none"> - Quiz on Lessons 3 & 4 - Security Simulations - Review

This schedule is subject to change and students are expected to be aware of any modifications to including, but not limited to: due dates, readings, exam dates, and project guidelines, either announced in-class and through email.

LEARNING OBJECTIVES

1. Basic concepts of data communications and computer networks
2. How to identify information security threats and relevant controls.
3. How to perform a risk assessment/analysis to evaluate security exposure
4. How to write and analyze security policies.
5. Critical thinking skills via debates on the ethics & legal issues related to IT.
6. How to organize incident management and perform forensics procedures
7. Topics associated with secure communication and identity management.





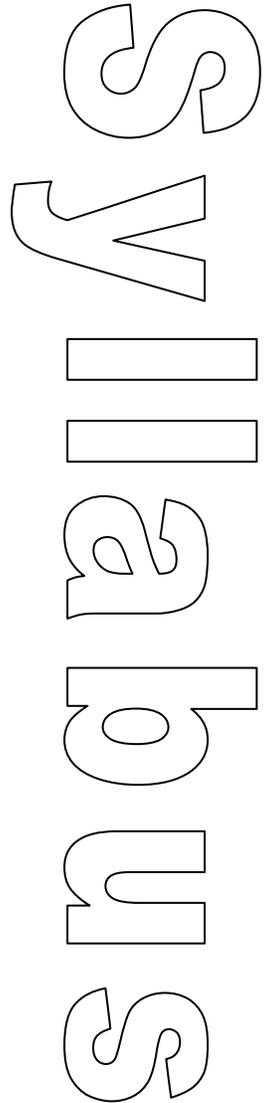
ACADEMIC INTEGRITY & HONESTY Students **MUST** comply with all University standards of academic integrity. As stated on the undergraduate and graduate bulletin, "**Claims of ignorance, of unintentional error, or of academic or personal pressures are not sufficient reasons for violations of academic integrity.**" Non-compliance with academic integrity standards, will result in the student being reported to the Office of Graduate Admissions or the Dean of Undergraduate Studies Office (whichever applies) **AND** receive a lowering of a paper or project grade of at least one full grade, receive a failing grade for a project containing plagiarized material or examination in which cheating occurred, receive a lowering of course grade by one full grade or more, a failing grade for the course, or any combination of these depending on the infraction.

Violations include: Giving or receiving unauthorized help on an examination; Collaborating on projects, papers, or other academic exercises which is regarded as inappropriate by the instructor(s), submitting substantial portions of the same work for credit more than once, without the prior explicit consent of the instructor(s) to whom the material is being submitted; misrepresenting material or fabricating information in an academic exercise or assignment; Destroying, damaging, or stealing of another's work or working materials; and presenting as one's own work, the work of another person (e.g., words, ideas, information, code, data, evidence, organizing principles, or presentation style of someone else). This includes paraphrasing or summarizing without acknowledgment, submission of another student's work as one's own, purchase of prepared research, papers, or assignments, and the unacknowledged use of research sources gathered by someone else. Failure to indicate accurately the extent and precise nature of one's reliance on other sources is also a form of plagiarism. The student is responsible for understanding the legitimate use of sources, the appropriate ways of acknowledging academic, scholarly, or creative indebtedness, and the consequences for violating University regulations. **If you have questions about academic integrity - ASK!**

GRADING AND ASSESSMENT We try to grade assignments fairly and return them within a reasonable time period with relevant comments and to be available to discuss questions. Students are expected to set up an appointment to meet with the grader within a week of receiving a grade. Please let us know if there is a mistake in calculation – mistakes happen!

Late assignments, projects, or papers will receive 15% off per day late from the final possible grade for the exercise unless there is a legitimate excuse.

Students should contact the Disabled Student Services Center and the relevant professor at least a week before each exam/quiz if requiring additional assistance. Missing any assessment without a verifiable legitimate excuse will result in a grade of zero. Exams/quizzes are expected to be closed-book unless otherwise specified and all personal electronic devices (laptops, cell phones, PDA's, etc.) should be stowed.





GRADING RUBRIC

Type	% of Grade	Description
Participation	20%	Will be determined by participation in in-class discussions, cases, exercises, and assignments
Quizzes	50%	Based on the three quizzes.
Projects	30%	Based on the two project assignments.

The instructor is expected to get approval of the entire class prior to making any changes regarding the grading rubric.

"GREAT" EXPECTATIONS

- Students can expect the instructor to be open to questions and concerns, but remain impartial and fair to all students.
- Students are expected to respectfully participate in class and communicate with the instructor if there is confusion or lack of understanding of the material. In turn, the instructor will attempt to clarify any material either in-class or outside of class.
- If the instructor is unable to attend class or office hours due to a personal emergency, students can expect for arrangements to be made for an alternate instructor or to be informed in as a timely a manner as possible via email/phone.
- Students are expected to provide reliable contact information and inform the instructor of any updates.
- Students are expected to contact the instructor via email, phone, or in person for reliable response. Blackboard will NOT be considered a reliable communication method.
- Students are expected to complete all assignments and readings as well as attend office hours as necessary. It is important for students to inform the instructor if all available office hours interfere with other classes during the first week of class.

