## <u>Course Outline for INFS 3980-001 – Contemporary Topics in Information Systems</u>

**Topic:** Information Systems Security

**Instructor:** Dr. Anand S. Kunnathur **DL Class** 

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## **Course Objectives:**

1. Become informed about the field of information security.

- 2. Understand the need for information security.
- 3. Explore the establishment of relevant technological controls and associated responsibility structures, including cryptography.
- 4. Legal, ethical, and professional aspects of IS Security
- 5. Learn about of information security risks

## **Grading:**

Subject matter report on IS Security	20 %
Mid Term Exam	20%
Project Report	20%
Quizzes	15%
Final Exam (Comprehensive, proctored)	25%

Please note that university and college academic dishonesty and plagiarism policies will be strictly applied. If the mid term exam is missed for any reason, the final exam will count for the mid term as well; no make up exam will be given.

Students will be required to be part of a team of no less than 3 and no more than 4 members for doing the project. Project guidelines are on the course site.

Text: <u>Principles of Information Systems Security</u>, by Michael Whitman and Hebert Mattord, 3<sup>rd</sup> edition, Course Technology (2009)

## **Tentative Course Schedule**

<u>Unit</u>	<u>Topic</u>	<b>Readings</b>
1	Course Overview, course tools. Introduction to IS Security; Need for IS Security	Chs 1, 2
	Report Topics Due on or BEFORE Septembe	er 21
2	Legal and Ethical aspects of IS Security Risk Management. Recap	Chs 3, 4
	October 19 Research Reports Due	
3	October 26 Mid Term Exam	
4	Security Technologies, Cryptography	Chs 7, 8
6	Physical Security. Recap	Ch 9
15	Project Presentations and Reports due Decemb	er 7

Final Exam Dec 14, 2010 Proctored on- or off campus (Off-campus proctoring must have Instructor and OnLine Learning approval)

Please note that this is a very preliminary and tentative schedule. Additional topics such as RFID adoption, information security in the global supply chain etc., in the context of IS security and control, are likely to be explored as appropriate to the level of the class.