COURSE INFORMATION

Professor: Dan J. Kim
Email: Dan.Kim@unt.edu (preferred contact method)
Phone: (940) 369 - 8942
Office: 312D Business Leadership Building (BLB)
Class Hours: Monday 6:30 – 9:20 PM
Class Room: BLB 075
Office Hours: Monday and Wednesday 11:00 - 12:00 PM (or by appointment)
Course Web Site: ecampus.unt.edu

COURSE OVERVIEW

This is a graduate-level interdisciplinary course on Information Security which covers the various technical, managerial, social, and socio-technical aspects of information security. Students will be exposed to the spectrum of security management activities including security investigation and analysis, risk management, implementation and maintenance of information assurance, ethical, legal and professional aspect of information security and assurance.

Students will be also exposed to research topics related to the information security and assurance discipline. It is expected that students develop in-depth understanding and knowledge on information security and information assurance through lectures, discussions, and presentations of topics and issues covered in class. It is also expected that the student will start the research apprenticeship as a part of course project and produce a research paper worthy of submission to a conference at least.

GRADING

STUDENTS WHO REGISTERED THIS COURSE MUST ATTEND AND DO ALL WORK FOR BCIS 4740 AS PART OF 5740. The final letter grades for this course will be determined based on following:

1. All grading activities of BCIS 4740 except group project (60%)
2. Research paper project (40%)

Research Paper Project

Each student will be required to complete either a complete empirical, technical, or comprehensive review research paper in the areas related to cyber security.

For the empirical research paper project, four key elements should be in place. a) The paper should address a substantial issue in the area of study. b) You should have an empirical data in hand or possibly collaborate with other person who has an empirical data. c) It should have a strong theoretical perspective – it would be good idea to expand from or build on existing theory. d) It should explicitly address unique theatrical and practical contributions.
For the technical/practical paper project, following key elements should be in place. a) The paper should address a substantial technical/practical issue in the area of study. b) You should find or propose a technical solution of the issue. c) It should have a strong practical perspective. d) It should explicitly address unique theatrical and practical contributions.

For the theoretical/review project, I expect you produce a theory review paper that would be publishable as an MISQ Review piece. It should have the following four key elements. a) A research topic area where there is diverse research that can benefit from synthesis in order to clarify knowledge coalesced. b) It should promote research by surveying and synthesizing prior theoretical and empirical research - it could possibly involve meta-analysis. c) It should clearly discuss future research directions. d) Finally, it should act as a repository for the knowledge that has been accumulated on an important topic within the information security field and advance theory in that topic area.

This assignment especially aims to help you in developing and writing a research paper, your master thesis or Ph.D. dissertation proposal. Details concerning the content of each phase, due dates for submission and revisions are provided below. Note that to maintain satisfactory progress toward a timely completion of the paper, it is essential that you submit your best-effort drafts by the specified due dates.

a. First Phase: Topic Analysis and Proposal (9/15)
Describe the substantive issue under investigation and be specific as possible about:
- The related knowledge and other relevant background information
- Research paper purpose
- Research paper objective and research questions
- Potential contributions to knowledge and implications

b. Second Phase: Literature Review and Conceptual Model (9/29)
Set a conceptual testable model and frame it in the context of the literature:
- Describe overall rationale of your theory
- Specify available your model (either empirical or analytic model)
- Identify the main constructs for your model
- Identify the relationships between the constructs
- Conduct an extensive literature review
- Attach a drawing of the conceptual model

c. Third Phase: Theory Building: Hypothesis and Methodology (10/27)
Students should suggest research design:
- Describe how you intend to test the model
- Formulate a set of testable hypotheses concerning the relationships between the constructs
- Identify possible data sources and each of the hypothesized relationships
- Identify possible scales or other applicable instruments
- Attach a table that lists the constructs, their definitions, and their main references.

d. Fourth Phase: Final Paper and Presentation (11/24)
- The final paper should be about 14 pages in single space including references. You can use the ICIS submission guideline of complete research paper
USEFUL RESOURCES

- Theories used in IS Research http://www.fsc.yorku.ca/york/istheory/wiki/index.php/Main_Page
- Theory Clusters http://www.tcw.utwente.nl/theorieenoverzicht/Theory%20clusters/
- Design Research in Information Systems http://desrist.org/design-research-in-information-systems/
- Qualitative Research in Information Systems http://www.qual.auckland.ac.nz/

ABOUT THE PROFESSOR

Dan J. Kim is an Associate Professor of Information Technology and Decision Sciences (ITDS) at University of North Texas. He earned his Ph.D. in MIS from SUNY at Buffalo. He also holds a MBA degree with management science concentration and MS degree in computer science. His research interests are in multidisciplinary areas such as information security (InfoSec) and privacy, information assurance, and trust in electronic commerce. Recently he has focused on InfoSec Self-Efficacy, Web Assurance Seal Services, Social Networking, and Trust in e-collaborations. His research work has been published or in forthcoming more than 120 papers in refereed journals, peer-reviewed book chapters, and conference proceedings including Information Systems Research, Journal of Management Information Systems, Communications of ACM, Communications of AIS, Decision Support Systems, International Journal of Human-Computer Interaction, Journal of Organizational and End User Computing, IEEE Transactions on Professional Communication, Electronic Market, IEEE IT Professional, Journal of Global Information Management, and International Journal of Mobile Communications, ICIS, HICSS, AMCIS, INFORMS, and so on. He has been awarded the National Science Foundation CyberCorps: SFS grant for multi-years, 2012 Emerald management Review Citations of Excellence Awards, 2010 Best Published Paper Award in ISR, an Emerald Literati Network 2009 - Outstanding Paper Award, the AMCIS 2005 Best Research Paper Award at AMCIS 2005 and the ICIS 2003 Best Paper-First Runner-up Award. He was ranked at 22nd worldwide in terms of research productivity from year 2008 to 2010 based on top three leading IS journals: ISR, MISQ and JMIS.

ACADEMIC INTEGRITY

The standards of academic integrity of the University of North Texas will be strictly enforced. Please refer to the undergraduate handbook for details. Students cannot use any assignments that have been part of earlier sections of the course. Cheating will not be tolerated. Students found cheating will receive a grade of F for the course and subject to further disciplinary action by University of North Texas.

Plagiarism is defined as presenting another person’s work or ideas as one’s own. You are expected to do your work on all assignments. Students who plagiarize will receive a Fail grade in the course.

Please refer to the links below for the course ground rules and academic honesty policy in details. http://policy.unt.edu/sites/default/files/untpolicy/pdf/7-Student_Affairs-Academic_Integrity.pdf