Syllabus: INT891 Capstone Seminar in Information Assurance

Instructor Information

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Online Resources:

Please refer to https://sites.google.com/site/professorjiang/ia-links.

Course Description:
This is a culminating course that studies information assurance and network security theory through the use of case studies, research, and knowledge application. An emphasis is placed on risk management associated with both public and private organizations. Security concepts such as security policy, risk assessment, risk management, and network design will be addressed. A significant project that will serve as the master’s degree level culminating experience is a major requirement for this course. Requisites: PR, INT 684 and a minimum of 9 other Information Assurance graduate credit hours, PERM.

Students need to very closely work with his/her advisor/professor on the project. This project will weight for 70% of the final grade of the class and must be approved by the reviewing committee for the student to successfully pass this course.

Text:

Course Requirements: We highly encourage students to complete entire text, however, by considering the weight of the project work, only six selected topic/chapters from the text and the tests are required. The instructor should approve those selected chapters for students. The instruction will take place via the Blackboard web site each week.

Evaluation: Will be based on the tests of 6 selected areas/chapters (30%) plus 70% of the culminating project. The project is consistent of the following steps:
<table>
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<tr>
<th>Task</th>
<th>Description</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Knowledge Wrap-up Paper</td>
<td>Summarize your IA knowledge and experience. 25 pages minimum in double spaced, 12 font of Time New Roman, with abstract and reference, in APA style. Please highlight your interests in the field.</td>
<td>5%</td>
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<tr>
<td>Project Proposal</td>
<td>This will be a minimum of a two stage process. First, provide the professor with a one to two paragraph abstract of your idea. When this concept is approved, you will move forward to create a formal project proposal.</td>
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<td>The formal project proposal will include a review of the available literature and a justification for the research or project that you propose to undertake. It will typically be between 10 and 30 pages in length depending on the type of culminating project that you undertake. You will use 12 font Time New Roman, double spaced, with abstract and reference, in APA style.</td>
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<tr>
<td>Project Plan</td>
<td>This is a detailed plan for your project development. It explains how you are going to do the research or project, your expectations for the outcome, and how the results will be evaluated. You will explain how you will apply the standards defined in the CNSS 4013E to at the performance level. This plan will typically be 10 to 40 pages in length double spaced. You will use 12 font Time New Roman, double spaced, with abstract and reference, in APA style.</td>
<td>10%</td>
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<tr>
<td>Project Development and Report</td>
<td>Conduct the necessary research or implantation as approved in your project plan and generate the outcome. You will document your work. Keep note of the steps, results, analysis and your learning during the project development.</td>
<td>25%</td>
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<tr>
<td>Project Research Paper</td>
<td>Summarize your project research and highlight your contribution to the field based upon your research or project. This step will be reported in 15-30 pages double spaced, 12 font of Time New Roman, with abstract and reference, in APS style.</td>
<td>10%</td>
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<tr>
<td>Project Report and Binding</td>
<td>Gather all the documents you have written or collected for your project. Have three hard copies well bound and sent to the professor/advisor for committee’s review and retention. This collection needs to reach the committee before you may defend your project. You will also send an electronic folder with the collection of documents with each file clearly labeled with your name and the document title.</td>
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<tr>
<td>Defense</td>
<td>Open to public. 30 minutes presentation; 20 minutes question challenges from committee or audience; 10 minutes (or more) committee closed door evaluation. Pass/fail will be announced if committee reaches a conclusion, otherwise the decision will be notified at a later time.</td>
<td>10%</td>
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</table>
The grading scale is as follows:

A=90-100
B=80-89
C=70-79
D=60-69
U=0-59

The assignments and tests will usually be due **before the midnight on the following Monday, if not otherwise specified.** If you have an emergency that will keep you from getting an assignment or test done on time, send an email to let me know as earlier as possible.

**ADDITIONAL INFORMATION / INSTRUCTIONS**

Some additional readings included in the course schedule may require you to use the library's website as well. I also reserve the right to add or change readings during the course of this class. FHSU’s Blackboard system will serve as the backbone of this class. Since you have enrolled for this virtual course, I assume you are proficient enough with Blackboard to use it. If you are not, it is your responsibility to learn the login and navigation procedures of the Blackboard system. Please call 1-800-628-FHSU for technical support or e-mail support@fhsu.edu. As the instructor of this class, I have no technical expertise in Blackboard. Any technical questions should be directed to the Support staff, and not me.

**ACCESSIBILITY**

Fort Hays State University will ensure that no qualified person with a disability is denied the benefits of, excluded from participation in, or otherwise subjected to discrimination because of inaccessibility of education programs and activities operated by Fort Hays State University. To obtain information as to the existence and location of services, activities, and facilities that are accessible to persons with disabilities, contact the Director of Affirmative Action.

**ACADEMIC HONESTY**

Membership in the FHSU learning community imposes upon the student a variety of commitments, obligations and responsibilities. It is the policy of FHSU to impose sanctions on students who misrepresent their academic work. Classroom instructors will select appropriate sanctions or other designated persons consistent with the seriousness of the violation and related considerations.

Examples of academic dishonesty include but are not limited to: (1) Plagiarism, taking someone else’s intellectual work and presenting it as one’s own (which covers published and unpublished sources). Using another’s term paper as one’s own; handing in a paper purchased from an individual or agency; submitting papers from living group, club or organization files; or using another’s computer program or
document are all examples of plagiarism. Standards of attribution and acknowledgment of literary indebtedness are set by each discipline. In political science, students must cite all work from which they take any recognizable length of work, including but not limited to phrases, sentences, and data. Students should consult with their department or with recognized handbooks in their field if in doubt.

(2) Cheating is unacceptable in any form. Examples include consultation of books, library materials or notes during tests without the instructor’s permission; use of crib sheets or hidden notes; intentional observation of another student’s test; receipt of a copy of an exam or questions or answers from an exam to be given or in progress; substitution of another person for the student on an exam or another graded activity; deliberate falsification of lab results; submission of falsified data; alteration of exams or other academic exercises; and collaboration on projects where collaboration is forbidden. (3) Falsification, forgery or alteration of any documents pertaining to assignments and examinations. (4) Students who (cooperate or in other ways promote) participate in promoting cheating or plagiarism by others (or who take credit for the work of others) will also be in violation of this policy.

Students participating in any violation of this policy must accept the consequences of their actions. Classroom instructors and/or university review/appeals committees and administrators will assess the sanctions for violation of this policy. The seriousness of the violation will dictate the severity of the sanction imposed.

Academic sanctions may include but not be limited to any of the following: (a) verbal or written warning; (b) lowering of grade for assignment/activity; (c) lowering of term grade; (d) failure of class assignment. Administrative sanctions may include but not be limited to either of the following: (a) suspension from the University; (b) dismissal from the University I take academic honesty as the bedrock of collegiate work, and I will not accept cheating in any way, shape, or form. My personal policy is to give students grades of “U” (unsatisfactory, or fail) for both the assignment AND the course. Any incident of plagiarism is subject to the perpetrator’s immediately removal from class and failure.
Tentative Course Schedule:

**Week 1** Self Introduction and Course Start up

**Week 2** Selected Chapter 1 and 2 with *quiz*, Request for Comprehensive Exam, if applicable

**Week 3** Selected Chapter 3 and 4 with *quiz*

**Week 4** Selected Chapter 5 and 6 with *quiz*, Comprehensive Exam, if applicable

**Week 5** IA Knowledge Wrap-up Paper and Project Proposal *due*

**Week 6** Project Plan *due*

**Week 7** Committee formed and Final Project Plan approved by instructor/committee

**Week 8** Project Development (40 hours work total)

**Week 9** Project Development continue

**Week 10** Project Development continue

**Week 11** Project Research Report *due*

**Week 12** Project Research Paper *due*

**Week 13** Project document binding and delivery *due*

**Week 14** Presentation/Defense

**Week 15** Class wrap up