Course Syllabus – IDS6950

M&S Capstone Report Planning
Summer 2014

Instructor
Dr. J. Peter Kincaid
IST Building, Partnership II

Office
Institute for Simulation and Training
3100 Technology Parkway
Orlando, FL 32826

Please make appointment for a phone call meeting with me via email. I'll do my best to accommodate your schedule. I am overseas most of the term but will be available here in Orlando at the beginning and end of the course for office or telephone meetings. I will meet students while overseas (6/10-7/25) by teleconference which I will initiate when I am overseas.

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Course Information

Course Name  IDS6950
Credit Hours  1.0
Semester/Year Summer 2014
Location      Online

Course Description

The capstone writing course is intended for students in M&S graduate certificate programs in modeling and Simulation for Technical Systems, and Behavioral Aspects of Cyber Security. to plan for the capstone
course, IDS6916 Simulation Research Methods and Practicum. It may be also be taken students in the M.S. and Ph.D. programs to get a head start in the capstone course (IDS6916).

The capstone course for M.S. and Ph.D students in Modeling and Simulation (M&S) as well as the certificate program in Modeling and Simulation for Technical Systems. Students, generally in teams, conduct fundamental or applied research on contemporary issues in modeling, simulation, and training. The main project is to conduct a project approved by the instructor (and a mentor as appropriate), and develop the project written as a manuscript formatted for publication. Typically about 30-35% of these reports do end up published.

**Prerequisites:** Graduate standing or consent of instructor.

http://www.youtube.com/watch?v=AplZtbnZFv4 (Links to an external site.)

Minimize Embedded Content

Course Requirements

Reports

The final report is a short description of what the student is planning for the capstone course which should be taken after this planning course. The final assignment for this course is a “white paper”—that is a short report, typically 3-5 pages, for the capstone project which identifies the research gap, describes why the planned research is useful and important, provides a review of the literature and state-of-the-art in the research domain, identifies what resources required as well as approvals from the students’ workplace (if appropriate) and a methodology for the project. A narrated Power Point presentation is an alternate format for this report. A draft of this report (progress report or Power Point presentation) is due about three quarters of the way through the term. An abstract is due early in the term.

Projects can be case studies, research studies, or the development of a tool useful to the student’s company or government agency. Or it can be a review of the literature, particularly if the capstone project is pushing the state of the art.

Meetings with Instructor

I ask that you have a minimum of two discussions with me, which can be either face-to-face or by teleconference. Three is better. The first meeting should be scheduled after you have developed your abstract, and if a mentor is involved he/she should be part of the initial and final conversation.
A final briefing, usually presented as a Power Point presentation, or demonstration, whichever is most appropriate is due at the end of the term. In the actual capstone course (IDS6916), projects are frequently completed by groups. This may or may not be feasible for this planning course and so individual projects are permitted.

Evaluation and Grading

**Letter Grade Points**

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<th>Grade</th>
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<tr>
<td>A</td>
<td>92-100</td>
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<td>B</td>
<td>84-91</td>
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<td>D</td>
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<td>F</td>
<td>64 or below</td>
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**Assignment Grading**

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<td>Abstract</td>
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<td>Progress Report</td>
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<td>Final Presentation and Report</td>
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<td>Total</td>
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Some Applicable Websites

- [www.ist.ucf.edu](http://www.ist.ucf.edu) (Institute for Simulation and Training)
- [www.scs.org](http://www.scs.org) (Society for Computer Simulation)

Academic Honesty
I expect a high level of integrity and honesty in this course. See UCF Golden Rules for specifics at 
http://goldenrule.sdes.ucf.edu (Links to an external site.)

Disability Statement

The University of Central Florida is committed to providing reasonable accommodations for all persons 
with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who 
need accommodations in this course must contact the professor at the beginning of the semester to 
discuss needed accommodations. No accommodations will be provided until the student has met with the 
professor to request accommodations. Students who need accommodations must be registered with 
Student Disability Services, Student Resource Center Room 132, phone (407) 823-2371, TTY/TDD only 
phone (407) 823-2116, before requesting accommodations from the professor.