

Knight Foundation School of Computing and Information Sciences

Course Title: Vertically Integrated Projects - C

Date: 02/05/2016

Course Number: IDS 4918

Number of Credits: 3

Catalog Description:

Students work in large projects with students from different majors working in real-world projects with university and external mentors (may be taken twice). (Senior status)

Objective(s) of Course:

Understand teamwork in real-world scenarios, develop complete solutions working in interdisciplinary groups, improve presentation and writing skills, and learn from other domains.

Subject Area Coordinator: Masoud Sadjadi

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Course Outcomes:

1. *Prepare a research paper in the format appropriate to a particular field/domain.*
2. *Present a visual summary of a research project using some conventional display medium (e.g., presentation slides, poster, demo, etc.)*
3. *Give an oral presentation of the findings of some scholarly work.*
4. *Identify differing methodologies for discovering new knowledge.*
5. *Utilize libraries/repositories to find literature relevant to a specific research topic.*
6. *Critique the relevance and importance of previous work to a current research topic.*
7. *Discuss issues of privacy and confidentiality in active research.*
8. *Describe the consequences of, and strategies for avoidance of plagiarism.*
9. *Demonstrate individual responsibility in the context of collective effort.*
10. *Articulate requirements for successful collaborative effort.*
11. *Demonstrate acquisition of knowledge from an area outside of one's expertise.*

Oral and Written Communication

Written Reports		Oral Presentations	
# Required	Approx. # pages	# Required	Approx. Time for each
<i>1</i>	<i>30</i>	<i>2</i>	<i>15</i>

Social and Ethical Implications Topics

Topic	Class time	Student Performance
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		Measures
<i>Citations, Plagiarism, and Social Impact</i>	<i>Throughout the semester</i>	Student Presentations and Research Papers
<i>Privacy – privacy protection</i>	<i>Throughout the semester</i>	Student Presentations and Research Papers
<i>Intellectual property - Patents, trademarks, copyrights of other similar products, and licensing of final product</i>	<i>Invited Lecture Given by the Office of Technology Management and Commercialization of FIU</i>	Student Presentations and Research Papers

Problem Analysis & Solution Design Experiences

<i>Identify one problem in the student’s field that would benefit from research</i>
<i>Write a formal proposal for research project based on this problem (above)</i>

Assessment Plan for the Course & how Data in the Course are used to assess Program Outcomes

Student and Instructor Course Outcome Surveys are administered at the conclusion of each offering, and are evaluated as described in the School’s Assessment Plan: https://abet.cs.fiu.edu/csassessment/
