School of Computing and Information Sciences

Course Title: Vertically Integrated Projects - C **Date:** February 5, 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 inter-disciplinary groups, improve presentation and writing skills, and learn from other domains.

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
1	*30*	*2*	*15*

Social and Ethical Implications Topics

Topic	Class time	Student Performance

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

Problem Analysis & Solution Design Experiences

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