

School of Computing and Information Sciences

Course Title: Vertically Integrated Projects - B

Date: February 5, 2016

Course Number: IDS-3917

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). (Junior 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.

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.*

Oral and Written Communication

Written Reports		Oral Presentations	
# Required	Approx. # pages	# Required	Approx. Time for each
<i>1</i>	<i>20</i>	<i>2</i>	<i>10</i>

Social and Ethical Implications Topics

Topic	Class time	Student Performance Measures
<i>Citations, Plagiarism, and Social Impact</i>	<i>Throughout the semester</i>	<i>Student Presentations and Research Papers</i>
<i>Privacy – privacy protection</i>	<i>Throughout the semester</i>	<i>Student Presentations and Research Papers</i>

Problem Analysis & Solution Design Experiences

Identify one problem in the student's field that would benefit from research

Write an informal proposal for research project based on this problem (above)