

# CIS 4328 - Information Systems Senior Project II (3 Semester Credits)

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## **Catalog Description:**

The second in a two course senior project with a lecture and significant laboratory components. Students implement a prototype information system in the context of the project team environment employing the methodologies of a model software system life cycle. Capstone course for the Information Systems major.

*Prerequisite:* CIS 4327 - Information Systems Senior Project I

## **Method of Teaching:**

Lecture, in-class presentations, outside programming assignments

## **Textbooks:**

1. Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design and Iterative Development (3rd Edition)

Author: Craig Larman

Publisher: Prentice Hall

ISBN-13: 978-0131489066

2. Systems Analysis and Design (7<sup>th</sup> Edition)

Authors: Kenneth E. Kendall and Julie E. Kendall

Publisher: Prentice Hall

ISBN-13: 978-0-13-224085-7

3. Rational Unified Process, The: An Introduction, Third Edition

Author: Philippe Kruchten

Publisher: Addison-Wesley Professional

ISBN-13: 9780321197702

## **Important Dates:**

Deadline withdrawal for spring term (no refund): March 26, 2010

(Please read CIS Satisfactory Progress Policy at

<http://www.unf.edu/cocse/cis/CIShtml/CIScourseRepeat.html> before withdrawal)

**Method of Evaluation:**

Method of Evaluation	Team Assessment	Individual Assessment
Project Deliverable 1	10%	10%
Project Deliverable 2	10%	10%
Project Deliverable 3	10%	10%
Project Deliverable 4	10%	10%
In-Class Assignments		5%
Project Presentation	5%	5%
Class Participation		5%
Sub Total	45%	55%
Total	100%	

Letter grades will be based on:

- 94 – 100 = A
- 90 – 93.99 = A-
- 87 – 89.99 = B+
- 84 – 86.99 = B
- 80 – 83.99 = B-
- 77 – 79.99 = C+
- 70 – 76.99 = C
- 60 – 69.99 = D
- less than 60=F

The penalty for cheating on an exam or assignments will be F grade in the course. Work which is similar beyond coincidence will automatically be considered cheating by all parties.

**Late Assignments:**

There will be a penalty of 10 % per day for late submission of assignments (including weekends and holidays).

**Academic dishonesty:**

No type of academic dishonesty will be tolerated. If you are caught cheating (on the assignments or exams) the punishment will be the most severe penalty allowed by the university policy. The policy on academic integrity and misuse of computer equipment and computer accounts found at the departmental web site at <http://www.unf.edu/cocse/cis/> applies to this course.

**Other remarks:**

- A grade of incomplete will not be given except for catastrophic illness or calamity.
- All university rules regarding classroom behavior and attendance apply.
- Attendance is expected. If a student misses a class, the student is still responsible for the material that is covered and for completing any assignments by the due date that may have been handed out by the professor in class.

## Course Topics

It is expected that the student will read the chapter assigned prior to the class meetings and will have questions for the instructor on any topics the student is not sure of, or does not understand. The student is responsible for all topics presented in the text regardless of their coverage. In addition, the students will be responsible for all lecture material that is not included in the text.

Week	Topics	Chapters	Due Dates
1	Introduction and syllabus	TB2 – Chapter 7	
	Data Flow Diagram		
2	Database Design	TB2 – Chapter 13	
3	Interface Design	TB 2 – Chapter 14 and 15	
	Guest: Jeffery Bowen		
4	Design Principles	TB1 – Chapter 16, 33, and 39	
			Deliverable 6 due
5	Design Patterns	TB1 – Chapter 17, 18, 23, 24, 25, and 26	
6	Security	TB2 – Chapter 16	
7	Implementation	TB1 – Chapter 20 TB3 – Chapter 11	
8			
			Deliverable 7 due
9			
10			
11	Spring Break		
12	Implementation	TB1 – Chapter 20 TB3 – Chapter 11	
			Deliverable 8 due
13	Testing	TB3 – Chapter 12	
14	Poster Demo		
15	Project Presentations		
16	Project Presentations		
			Deliverable 9 due

\*\*\*Please Note\*\*\*

Instructor reserves the right to modify course to meet the student's needs.

Legends

TB1 – Applying UML and Patterns

TB2 – Systems Analysis and Design

TB3 – Rational Unified Process, The: An Introduction

## Students with Disabilities

Students with disabilities who seek reasonable accommodations in the classroom or other aspects of performing their coursework must first register with the UNF Disability Resource Center (DRC) located in Building 10, Room 1201. DRC staff members work with students to obtain required documentation of disability and to identify appropriate accommodations as required by applicable disability laws including the Americans with Disabilities Act (ADA). After receiving all necessary documentation, the DRC staff determines whether a student qualifies for services

with the DRC and if so, the accommodations the student will be provided. DRC staff then prepares a letter for the student to provide faculty advising them of approved accommodations. For further information, contact the DRC by phone (904) 620-2769, email (kwebb@unf.edu), or visit the DRC website (<http://www.unf.edu/dept/disabled-services>).

### **Satisfactory Progress Policy**

The School of Computing enforces the "one repeat" rule for all prerequisite and core courses offered by the School for its major programs. Students who do not successfully complete a prerequisite or core requirement for a School of Computing course on the first attempt (i.e., earn a grade of D, F, W, WP or WF) will be granted one chance to repeat the course. Students who do not successfully complete a prerequisite or core requirement within two attempts will not be permitted to register for courses offered by the School in future semesters. This stipulation applies whether or not the student has declared a major in a School of Computing program.

<http://www.unf.edu/ccec/cis/CIShtml/CIScourseRepeat.html>

### **Community-Based Transformational Learning**

Community-Based Transformational Learning is about providing students with first-hand experiences that take them outside the walls of the classroom and into the community. By engaging in these activities, UNF students learn how to translate theory into practice, strengthen their sense of civic and ethical responsibility, and gain from professional and career development opportunities. In many cases, these experiences transform the lives of students.

<http://www.unf.edu/ccec/soc/cbtl.pdf>