CGS 4308 – Information Processing: Requirements Identification and Specification (3 Semester Credits)

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Catalog Description:
Students in this course examine fundamentals for the development of information processing systems. Topics include requirements gathering, feasibility studies, software lifecycle overview, tools and equipments used by designers, and factors associated with successful systems.

Prerequisite: CGS 4307 - Information Processing: An Organizational Perspective

Method of Teaching:
Lecture, in-class presentations, outside programming assignments

Textbooks:
1. Rational Unified Process, The: An Introduction, Third Edition
Author: Philippe Kruchten
Publisher: Addison-Wesley Professional
ISBN-13: 9780321197702

2. Visual Modeling with Rational Rose 2002 and UML, Third Edition
Author: Terry Quatrani
Publisher: Addison-Wesley Professional
ISBN-13: 9780201729320

3. Use Cases: Requirements in Context, Second edition
Authors: Daryl Kulak and Eamonn Guiney
Publisher: Addison-Wesley Professional
ISBN-13: 9780321154989

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	5%	5%
Project Deliverable 2	5%	5%
Project Deliverable 3	10%	10%
Project Deliverable 4	10%	10%
Project Deliverable 5	5%	5%
In-Class Assignments		10%
Project Presentation	10%	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.
- Assignments for extra credit will not be assigned. If you do not complete an assignment by the date assigned, no make up assignment will be provided and you will receive a score of zero for that assignment.

- 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	TB1 - Chapter 1	
	Software Development Best Practices		Project Team
2	The Rational Unified Process	TB1 - Chapter 2, 3, 4, 5, 6	
			Project Proposal
3	Project Management	TB1 - Chapter 2, 3, 4, 5, 6	
4	Business Process Modeling	TB1 – Chapter 8	
			Deliverable 1
5	Requirements Analysis	TB1 – Chapter 9 TB3 – Chapter 1	
6	Use Case Analysis and Modeling	TB2 – Chapter 3 TB 3 – Chapter 2, 3, 4, 5, 6, 7, 8	
7			
			Deliverable 2
8			
9	Non-Functional Requirements		
10	Analysis and Design Object Orientated Principles	TB1 – Chapter 10 TB2 – Chapter 4	Deliverable 3
11	Spring Break		
12	Design Analysis and Modeling	TB2 – Chapter 5, 6, 7, 8, 9	
13			
			Deliverable 4
14	Interface Prototypes		
15	Project Presentations		
16			
			Deliverable 5

Please Note
Instructor reserves the right to modify course to meet the student's needs.
Legends
TB1 – Rational Unified Process, The: An Introduction
TB2 – Visual Modeling with Rational Rose 2002 and UML

TB3 – Use Cases: Requirements in Context

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)