

Systems Analysis and Design (CSC 250, CRN 1626)

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Office Hours Wednesday 9:00AM – 10:30AM

Wednesday 12:00PM – 1:30PM By Appointment
Only

Days and Time:

Wednesday
10:40PM – 12:00PM

Text and Supplies:

Systems Analysis and Design, Tenth Edition
ISBN: 13: 978-1-133-27405-6

Resources:

<http://login.cengagebrain.com>

Course ID: **CM-9781285422671-0000566**

Description:

This is a three credit, introductory systems analysis and design course. The course is designed to

- Explain systems analysis and design
- Introduce project management concepts early in the systems development process
- Challenges students with book materials such as Question of Ethics mini-cases that ask students to respond to real-life ethical issues in an IT environment
- Provide multi-method coverage, including a comparison of structured, object-oriented, and agile systems development methods
- Emphasize the importance of planning, implementing, and managing an effective IT security program
- Explain how IT supports business requirements in today's intensely competitive environment, and describe major IT developments and trends

Goals:

- Describe and model the concept of a system's identification and its boundaries with the outside world
- Describe and apply various structured analysis and design techniques
- Critically evaluate the modeling process by establishing consistency between the output of the different modeling techniques
- Apply available automated CASE tools for diagrammatic modeling and documentation consistency
- Contribute to the work of a group working on analysis and design tasks
- Consider the social aspects of undertaking systems analysis and design in commercial and other institutional environments
- Organize and present technical material in a professional manner
- Carry out peer evaluation and personal reflection

Grading:

The final grade for Systems Analysis and Design, CSC-250, will be based on the following components. Registration for this course means that the student agrees to fulfill the requirements for this course. Students should make every effort to take the examinations and complete the laboratory projects and the homework assignments.

If a student is absent or late, the student is responsible for getting the course notes, handouts, and any laboratory assignments missed.

Component	Weight	Points
Case-Sims	30%	300
Projects	25%	250
Discussions	15%	150
Final Exam	20%	200
Evaluative ⁱ	10%	100

Student Grades shall be consistent with Gateway Community College's Grading Policy. Students who are having difficulties with their course work and need assistance are strongly encouraged you to use the lab assistant that are provided.

Grading System

Gateway Community College's values for grades awarded which are used for the calculation of grades, averages and related matters are as follows:

Letter Grade	Point Ranges	Grade Point Value
A	950 - 1000	4.00
A-	900 - 949	3.667
B+	890 - 899	3.333
B	810 - 889	3.000
B-	800 - 809	2.667
C+	790 - 799	2.333
C	710 - 789	2.000
C-	700 - 709	1.667
D+	690 - 699	1.333
D	610 - 679	1.000
D-	600 - 609	.0667
F	0 - 599	0.000

Course Policies:

Late Homework & Class Projects

Projects must be turned in on time to receive full credit.

Student Conduct in Class Policy

Any acts of classroom disruption that go beyond the normal rights of students to question and discuss with instructors the educational process relative to subject content will not be tolerated, in accordance with Gateway Community College's Academic Code of Conduct as described in the Gateway Community College's Student Handbook.

Examination Policy

To prepare for examinations, attend lectures and read the chapters. Approx. 100 % of the questions will be taken directly from the reading material assigned. Review the Reference Summary at the end of each chapter for a summary of the main topics covered in each chapter in preparation for the tests.

Incomplete Policy

Students will not be given an incomplete grade in the course without sound reason and documented evidence as described in the Gateway Community College's Student Handbook. In any case, for a student to receive an incomplete, he or she must be passing and must have completed a significant portion of the course.

Students with Disabilities

Any student who feels s/he may need special accommodations based on the impact of a documented disability, please contact the office of Student Disability Services at 203-285-2231 in room S-202 to coordinate reasonable accommodations. Students then should contact the professor privately to discuss specific needs.

Tentative Spring 2016 Schedule:

Week 1	1/25	Course Introduction	
Week 2	2/1	Chapter 1	Introduction to Systems Analysis and Design
Week 3	2/8	Chapter 2	Analyzing the Business Case
Week 4	2/15	Chapter 3	Managing Systems Projects
Week 5	2/22	Chapter 4	Requirements Modeling
Week 6	3/1	Chapter 5	Data and Process Modeling
Week 7	3/8	Chapter 6	Object Modeling
Week 8	3/15	No Class	Spring Break
Week 9	3/22	Chapter 7	Development Strategies
Week 10	3/29	Chapter 8	User Interface Design
Week 11	4/5	Chapter 9	Data Design
Week 12	4/12	Chapter 10	System Architecture

Week 13	4/19	Chapter 11	Managing Systems Implementation
Week 14	4/26	Chapter 12	Managing Systems Support and Security
		Systems Analyst's Toolkit	Part 1: Communications Tools
Week 15	5/3	Systems Analyst's Toolkit	Part 2: CASE Tools
		Systems Analyst's Toolkit	Part 3: Financial Analysis Tools
		Systems Analyst's Toolkit	Part 4: Internet Resource Tools
	5/10	Final Exam	

ⁱ Evaluative includes class participation, and attendance. A number of unexcused absences and attending class late can result in a reduction of your grade by 10%.