



Passaic County Community College
Academic Year: 2023-2024
Standard Syllabus

Department Chair: Merille Siegel

Course Code: CIS 202

Course Title: Systems Analysis and Design

Department: CIS / Information Technology

Semesters Offered: Fall Day, Spring Evening

Course Description: This course details the study of the five phases of System Development Life Cycle (SDLC) and the systems analysis toolkit that shows the importance of communications, economic analysis, project planning skills with current technologies across all phases of the SDLC. An in-depth understanding of how information systems support business requirements in today's intensely competitive environment is also studied. Several real-world projects are assigned to students on an individual basis and as a member of a systems development team, which allows students to apply their knowledge and skills to act as a systems analyst and develop an information system for various realistic problems in a typical business organization.

Supplemental Writing Intensive Course Description

A writing-intensive course incorporates discipline-specific writing extensively into the course, and the writing contributes significantly to each student's grade. The instructor uses writing assignments to promote the learning of the course content, as well as to increase the students' critical thinking and information literacy skills. WI courses use both formal and informal writing assignments.

Prerequisites: CIS 125 and CIS 160

Credits: 3

Lecture Hours: 3

Lab/Studio Hours: 0

Clinical/Fieldwork Hours: 0

Required Textbook/Materials:

1. Systems Analysis and Design: CIS 202 with the Writing Module
Custom Edition for Passaic County Community College, Tilley
Rosenblatt

Additional Time and Supplemental Requirements: Based on a 15 week semester, students are expected to spend an additional 6 hours per week doing homework outside of the classroom.

Course Learning Outcomes:

Upon completion of this course, students will be able to:

- Familiar with gathering business requirements, key technical terms, features and functions used to design, develop and maintain an Information System.
- Working knowledge of the SDLC (System Development Life Cycle) methodology.
- Utilize standard system analyst software tools e.g. Project Management, System Analyst visual drawing tools, Word, Excel and PowerPoint.

- Develop written technical documentation.
- Make an oral technical presentation.

Supplemental Writing Intensive Course Outcomes

Upon completion of a writing-intensive course, students should be able to:

- Use the process of writing, including pre-writing and revision strategies;
- Support their ideas in writing with specific details and evidence;
- Structure their ideas in an organized format;
- Edit their writing according to the rules of standard academic English;
- Evaluate their sources for credibility and academic appropriateness;
- Employ techniques for integrating information, such as paraphrasing, summarizing, and quoting;
- Exhibit the ability to think critically;
- Demonstrate, through their writing, familiarity with the College's standard, evaluative writing rubric; and
- Cite sources using an appropriate documentation style.

General Education Outcomes: This is not a general education course.

Grading Standards:

Grading determinant and number of Papers & Examinations

	Tests, Projects and Homework	Points	
	Tests and Class Participation		
1.	Lecture Essay Test Chapters 1 & 2	15	
2.	Lecture Essay Test Chapters 4 & 7 & 10	15	
3.	Lecture Essay Test Chapters 11 & 12	10	
	Projects & Assignments	0	
4.	Oral presentation – Professional qualifications, interview for a project	0	
5.	Writing assignment 1	5	
6.	Writing assignment 2	5	
7.	Writing assignment 3	5	
8.	Writing assignment 4	5	
9.	Visio Project – DFD Dataflow Diagram	5	MS Visio
10.	Sunny Happy Care Plan a Project	15	MS Project
11.	Research Report – Career Analysis and Planning	0	MS Word & PPT
12.	MS Project –Questionnaire project plan.	15	MSWord & MSProject
13.	Attendance & participation	5	
14.	TOTAL POINTS	100	

NOTE:

No makeup exams YOU EARNED A ZERO GRADE for a missed exam.

No late assignment. Late assignments are Blocked by Blackboard submission system.

Grade	
Points	Letter Grade
0	F
59	D
70	C
78	C+
80	B-
83	B
88	B+
90	A-
93	A

Course Content:

(Schedule and suggested topics, readings, and assignments subject to change based on instructor and instructional resource)

Topics

******* First Day of Classes at PCCC *******

Each week please prepare for class by reading the assigned chapter prior to the next class

Review and Introduction to Software toolkit needed for this course:

- MS Office – Word, Excel, PPT
- MS Project & Visio

Requirements and format of Chapter Essay Exams – Course site on Blackboard

Requirements for class notes.

Clarifying Written Communication

Writing Solid Sentences

Oral & Written Reports

Videos on oral presentations.

Presentations by Learning Resources: eTutor, liveguide, Writing Center and other resources

Phase I System Planning -- Introduction to Systems Analysis and Design

Phase I System Planning -- Introduction to Systems Analysis and Design

Submit Writing Assignment 1

Sep. 17 last day to DROP without Academic Penalty

Phase I System Planning -- Analyzing the Business Case

Submit Writing Assignment 2

Sep. 30	Phase I System Planning -- Analyzing the Business Case <i>Start Research and Analysis --- Career Term Paper Sunny Happy Care Plan the Project in class activities</i>	2
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Lecture Essay Test Chapters 1 & 2

Oct. 7	Phase I System Planning – Managing Systems Projects <i>Payback Analysis – Part C Financial Analysis Tool - Excel. Oral presentation – interview for a position on the Sunny Happy Care Project Team</i>	3
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Submit Writing Assignment 3

Oct. 14	Phase II System Analysis -- Requirements Modeling	4
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Submit Writing Assignment 4

Oct. 21	Phase II System Analysis -- Requirements Modeling	4
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DUE Questionnaire Word & MS Project

Oct. 28	Phase II System Analysis -- Development Strategies	7
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Oct. 29 last day to withdraw with permission

Nov. 4	Phase III System Design – System Architecture	10
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Nov. 11	Phase IV System Implementation – Managing System Implementation	11
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Lecture Essay Test Chapters 4, 7 & 10

Nov. 18	Phase IV System Implementation – Managing System Implementation	11
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Nov. 25	Tuesday Nov.26 is last Day to withdraw	
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No classes on Wednesday Nov. 27th

******* Thanksgiving Holiday Nov. 27, 28, & 29 *******

Dec. 2	Phase IV System Implementation – Managing System Implementation	11
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Sunny Happy Care Project submission & Class Presentation

Dec. 9 Phase V Systems Support & Security – Managing Systems Support and Security 12

Sunny Happy Care Project submission & Class Presentation

Dec. 16 – **Wednesday December 18 Final Lecture Essay Test Chapters 11 & 12**
Dec 20 ******* FINAL EXAM WEEK** * * * ****

College Policies:

For Information regarding:

- PCCC's Academic Integrity Code
- Student Conduct Code
- Student Grade Appeal Process

Please refer to the PCCC Student Handbook and PCCC Catalog

Panther Alert:

The College will announce delayed openings, closings, and other emergency situations through the Panther Alert System. Students are encouraged to sign up for Panther Alert Notifications by logging into their student accounts through the PCCC website at www.pccc.edu and following Panther Alert System instructions.

Notification for Students with Learnings Disabilities:

If you have a disability, and believe you need accommodations in this class, please contact the Office of Accessibility Services at 973-684-6395, or email ods@pccc.edu. You should do so as soon as possible at the start of each semester. If you require testing accommodations, you must remind me (the instructor) one week in advance of each test.