

SYLLABUS

Course Name: IT 461 Systems Analysis

Credits: 4 | Prerequisites: Senior Standing

COURSE DESCRIPTION:

Feasibility studies and analysis of systems, cost analysis and budgets, and tools of systems analysis.

COURSE OBJECTIVES

Students will be able to...	Assessments
Position system analysis in the development process.	Rubric-based assignments, projects, and/or exams.
Develop an understanding of the concepts of problem recognition and problem definition.	Rubric-based assignments, projects, and/or exams.
Use tools like PIECES framework.	Rubric-based assignments, projects, and/or exams.
Explain in detail the individual phases of the SDLC, along with the expected activities and deliverables from each.	Rubric-based assignments, projects, and/or exams.
Identify and select IS projects.	Rubric-based assignments, projects, and/or exams.
Gather and organize end users' requirements.	Rubric-based assignments, projects, and/or exams.
Read, correct, and create data flow diagrams (DFD).	Rubric-based assignments, projects, and/or exams.
Read, correct, and create entity relationship diagrams (ERO).	Rubric-based assignments, projects, and/or exams.
Perform basic project management tasks associated with scope, time and budget.	Rubric-based assignments, projects, and/or exams.
Understand ERO extensions.	Rubric-based assignments, projects, and/or exams.
Create logical and relational models.	Rubric-based assignments, projects, and/or exams.
Write a system proposal.	Rubric-based assignments, projects, and/or exams.
Understand the basic elements of other analysis methods like object oriented analysis or rapid application development.	Rubric-based assignments, projects, and/or exams.
Understand the job of system analyst.	Rubric-based assignments, projects, and/or exams.

Work effectively in a pair.	Rubric-based assignments, projects, and/or exams.
Follow a process to solve organizational problems.	Rubric-based assignments, projects, and/or exams.
Write better.	Rubric-based assignments, projects, and/or exams.

STUDENT RESPONSIBILITIES | UNIVERSITY POLICIES

We believe in quality teaching using hands-on, applied tools that develop and enhance your competencies in the essential skills and knowledge required by leaders in the modern workforce. With this focus on management and technology in a rapidly changing and unpredictable world, comes a great responsibility.

As a student at Central Washington University, you have the responsibility to be familiar and comply with all university policies and procedures, specifically those governing student behaviors. Failure to comply with these expectations may result in university contact and action to address the behavior which could include removal from the class and/or institution.

We know you will live beyond these expectations and soon join the ITAM graduates who are making a difference in the world through leadership and technology.

STUDENT CONDUCT POLICY

Policies and expectations governing behavior for all registered CWU students. The Student Conduct Code is a part of the Washington Administrative Code (WAC).

We recommend that you review the university expectations of student conduct in the Washington Administrative Code ([WAC 106-125-020](#)).

POLICY ON ACADEMIC DISHONESTY

Academic dishonesty is defined in the CWU Student Conduct Code (II.B)

If accused of academic dishonesty, students will have an opportunity to meet with the course instructor and department chair to discuss the accusation and confirm or deny its correctness. If academic dishonesty is confirmed to the satisfaction of the instructor and department chair, the instructor and/or department chair will contact the Office of the Vice President of Student Affairs and Enrollment Management, especially the Director of the Registrar's Office and the Associate Vice President for Student Affairs.

We recommend that you review the university policy at [CWUP 5-90-040 \(25\)](#).

POLICY ON DIVERSITY

University-level education is about broadening horizons and looking at academic issues from a variety of perspectives. With this in mind, the participants in this class are encouraged to bring their own life experiences and viewpoints to bear on classroom discussions and assignments. Along with the freedom to express one's own views comes the responsibility to respect the views of others. No student will be discriminated against on the basis of race, ethnicity, age, creed, religion, gender, sexual orientation, marital status, or political ideology.

We recommend that you review the university policy on diversity [here](#) (CWU website) and at [CWUP 2-35-010](#).

POLICY ON DISABILITY SERVICES

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any obstacles to learning, contact Disability Services to discuss a range of available options. Student Disability Services: www.cwu.edu/disability-support/, call 509.963.2214 or email ds@cwu.edu for more information.

CWU policy regarding Reasonable Accommodation of Persons with Disabilities can be found at [CWUP 2-35-040](#).

ETIQUETTE USING TECHNOLOGY

- Check your CWU e-mail often for important information.
- When using discussion boards, check the discussion postings frequently and respond appropriately, and on subject.
- Capitalize words only to highlight a point or for titles. Capitalizing otherwise is considered SHOUTING!
- Be professional and careful with your online interactions, including with the instructor!
- Wait 24 hours before responding to something that angers you.
- All postings should be free of language that would constitute harassment, discrimination, or be considered profane.