

MGMT321e Aviation/Aerospace Systems Analysis Methods

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

E-Learning: BLENDED - Learning is done MAINLY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. This is supplemented with SOME face-to-face sessions. If the course has an exam component, this will be administered on-campus.

Synopsis:

An overview of the system development life cycle is provided in this course. Emphasis on current system documentation through the use of both classical and structured tools/techniques for describing process flows, data flows, data structures, file design, input and output designs, and program specifications.

Topics:

- Introduction to general systems theory
- Introduction to computer hardware
- Introduction to computer software
- Business problems and business problem solvers
- Communications and connections to the Internet
- Problem-Solving Systems

Learning Outcome:

- Use the Systems Development Life Cycle approach for the analysis and design of systems and to compile data dictionaries.
- Know the steps of the SDLC and how to apply it to a real system.
- Examine the need for sampling and investigating hard data and analyze process specifications for structured decisions.
- Recognize that different levels of management require different systems.
- Understand the concept of JAD and when to use it.
- Understand the concept of sampling for information requirements analysis.
- Determine the necessary steps to prepare and organize the interview and requirements of the systems proposal.
- Use prototyping and rapid application development to observe user reactions and design user interfaces.

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	100
Total		100

