

Systems Engineering Fundamentals Course Overview

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Abstract

Course overview of the course Systems Engineering Fundamentals.

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August 16, 2025
status: planned
version: 0

logo
TBD

Single page Course Overview

	day 1	day 2	day 3	day 4	day 5
9:00	course intro	system life cycle supporting systems	concept selection	supply chain and logistics	verification and validation
	systems engineering intro				project management
10:00	case discussion	sketch system <i>life cycle</i>	perform <i>concept selection</i>	sketch <i>goods flow</i>	transform sequence into a <i>PERT plan</i>
	company context programs, projects	needs and requirements	architecture and design	risk management	deployment
11:00	Sketch and discuss <i>program</i> and <i>project organization</i>	identify <i>needs</i> and <i>capabilities</i>	dynamic behavior, functionality	assess <i>risks</i>	sketch <i>installation</i> and <i>commissioning</i>
12:00	lunch	lunch	lunch	lunch	lunch
13:00	system development process	reflection and discussion		reflection and discussion	wrap-up
14:00	sketch a <i>typical mission</i> and a <i>scenario</i>	requirements management	reflection and discussion partitioning and interfaces	systems integration	reflection and discussion
15:00	identify <i>stakeholders</i> and <i>concerns</i>	determine 10 <i>SMART KPPs</i> and <i>use case</i>	make <i>system</i> and <i>work breakdown</i>	determine an incremental <i>integration sequence</i>	
16:00	reflection and discussion	reflection and discussion	reflection and discussion	reflection and discussion	