

Courses in English Course Description

Department	03 Mechanical, Automotive and Aeronautical Engineering
Course title	Systems Engineering
Course number	LW8
Hours per week (SWS)	4
Number of ECTS credits	5
Course objective	Mastering of the following subjects: systems engineering processes including requirements, stakeholder analysis, trade studies, concept of operations, work breakdown structure, and risk, as well as the history and future of systems in order to manage complexity by applying systems thinking, Lean-Agile, visualization tools, adaptive modeling, Industry 4.0, and digital engineering principles
Prerequisites	engineering design
Recommended reading	Denken in Systemen, von Donella Meadows
Teaching methods	Course lecture
Assessment methods	Written final exam
Language of instruction	English
Name of lecturer	Prof. Dr. Dianne DeTurris
Email	ddeturri@calpoly.edu
Link	
Course content	- systems engineering processes, history, and future
Remarks	