ENGR 581A3

Cost Optimization

BENEFITS

Systems Engineering is an interdisciplinary approach and means to enable realization of successful systems. By focusing on what the customer needs, how it should function, defining the requirements, and then design synthesis, validation, and verification, real solutions to complex problems can impact every type of system.

2019 Spring Semester Location: CSU Campus, Fort Collins, CO
Clark A206
Date: 1/23 — 5/15 2019 Wednesday 5:15—8 pm
Last date for registration: 27 January 2019

https://www.online.colostate.edu/courses/ENGR/ENGR581A3.dot

COURSE OBJECTIVES

This course will fill an important gap for assuring cost optimization is used in complex system development. Successful students will learn to:

- Identify the importance of cost optimization across all program phases
- Implement traditional approaches to cost, cost estimation
- Differentiate outcomes in focusing on cost risk at the project, program, and enterprise level
- Apply cost optimization of supply source to decisions (make/buy) and of supply chain management

INSTRUCTOR BIO

Dr. Ron Sega brings decades of experience in applying academic research to real-world situations. He joined Colorado State from the U.S. Government, where he served as Under Secretary of the Air Force. A former astronaut, Sega flew two missions into space on the space shuttle Discovery in 1994 and as payload commander for the third shuttle/Mir docking mission aboard Atlantis in 1996.

Dr. Jim Adams has 17 years of systems engineering experience in Department of Defense, satellite and aircraft systems, and, industry-leading, in-process, diameter and thickness gauging systems. He is a Systems Engineer with Lockheed Martin Corporation working in the Boulder facility on the ground segment of the Space Based Infra-Red Satellite (SBIRS) system. Dr Adams has a diverse set of systems engineering experiences including as the customer for major satellite systems components, as the manager of a systems engineering team constrained by cost and schedule limits, as the chief engineer for a major segment supplier, and as the global, in-field, sales and engineering representative of niche measurement systems bringing together diverse customer needs into consolidated product requirements.

GRADUATE SCHOOL

Colorado State University