Students successfully completing this course will be able to:

- Apply test/evaluation processes in the Systems Engineering context
- Understand the different frameworks used to incorporate test/evaluation into complex systems/projects
- Demonstrate test principles to determine what, how, where, and when to stop test and evaluation in systems
- Evaluate why systems fail—or succeed
- Apply test/evaluation principles to a notional project
- Create test plans and documentation
- Optimize test strategies for better design, development, and production
- Know the difference in “Testing for Compliance” verses “Testing for Improvement”

COURSE OBJECTIVES

Test & Evaluation is the process by which a system or components are compared against requirements and specifications through testing. The results are evaluated to assess progress of design, performance, supportability, etc. Learn the essentials for conducting T/E in complex systems:

- Discover T/E in Form, fit & function within the Systems Engineering process

BENEFITS

Spring 2019 Semester
Location: CSU Fort Collins Campus or Online
Fort Collins, CO
ENGR B4
Date: 1/28 – 5/13 2019  Monday 5:15—8 pm
Tuition: $3255
Last date for registration: 27 January 2019
https://www.online.colostate.edu/courses/ENGR/ENGR603.dot

INSTRUCTOR BIO

Colonel Gregory S. Marzolf (USAF, retired) was commissioned in 1988 from the University of Tennessee and retired after almost 29 years of service. During this time, he commanded the 53d Test and Evaluation Group, the 414th Combat Training Squadron (i.e., RED FLAG), the 64th Aggressor Squadron, and an Air Force ROTC Detachment. Colonel Marzolf is a command pilot with over 3,000 flight hours—the vast majority of it in the F-16. He has served as an instructor pilot, flight examiner, mission commander, and weapons officer to include flying combat missions in Operations DENY FLIGHT, PROVIDE COMFORT, and IRAQI FREEDOM. He has extensive experience with complex systems and is currently finishing a dissertation on America’s emergency response system. He resides in Fort Collins, CO with his wife and four children.