SYST 520 ECE 550 System Engineering Design (3.0:3) Spring 2016

Prerequisites: Graduate standing or SYST 505

Description: System engineering design methods are studied and practiced, including object-oriented and structured analysis based techniques. Design description languages such as UML, IDEF0 and IDEF1x are introduced and used in carrying out complete system designs. Teams make presentations of their designs.

Instructor: Prof. Alexander H. Levis
Nguyen Eng. Room 3245
Tel 703 993 1619

Best way to contact: alevis@gmu.edu
Class Location: Nguyen Engineering 2608
Class time: Monday 4:30 – 7:10 pm

Required Textbook:
Dennis M. Buede, The Engineering Design of Systems, Wiley, 2009, NY (2nd Edition). Also available as grayscale loose leaf (omits Chapters 4 and 5) at the GMU Bookstore (lower cost) and as an e-book at even lower cost: http://store.vitalsource.com/show/9781119097365

Extensive lecture notes and supplementary readings will be available through Blackboard.

The Blackboard system will be used for most course activities.

Homework: There are weekly reading assignments and homework assignments

Grading: Homework sets will count for 50% of the final grade. The midterm presentation will count for 20% of the grade, and the in-class final examination for 30%.

The George Mason University Honor Code can be found at http://oai.gmu.edu/the-mason-honor-code-2/