Description: Architecture design and representation and the methodologies used to obtain them. Approaches based on system engineering constructs such as object orientation and service oriented architectures are used to design architectures and then represent them in conformance with an architecture framework such as DoDAF. Executable models of the architecture are derived to be used for architecture evaluation. Examples from current practice are used.

Instructor: Prof. Alexander H. Levis
Nguyen Eng. Room 3245
Tel 703 993 1619
Best way to contact: alevis@gmu.edu

Course notes and collateral readings will be made available for downloading through Blackboard. There are also ten papers that cover some of the material in the course and present several examples. The following textbook is highly recommended; however, it will be a good idea to have a textbook on UML and Object Oriented Design if you don’t have one already from other courses.


Homework: There are weekly reading assignments and homework assignments (architecture design and evaluation).

Grading: Homework sets will count for 75% of the final grade. The final presentation will count for 25% of the grade.

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