

# AFIT School of Systems and Logistics

## Model-Based Systems Engineering workshops



### WKMBSE 101

#### DMM in a Model-Based Environment

(Lecture Only: 2 Hrs)  
Audience: Everyone

- 1) Define Digital Acquisition policy, guidance & techniques
- 2) Identify the what, who, and how of Digital Materiel Management
- 3) Discuss how to transfer from a document-based to model-based environment
- 4) Recognize one's functional role within a Digital Environment

### WKMBSE 201

#### Introduction to MBSE and SysML

(Lecture Only: 8 Hrs)  
Audience: Everyone

- 1) Understand each of the nine SysML diagrams
- 2) Identify MBSE software tools
- 3) Recognize SysML models for engineering analysis within the Digital Environment

### WKMBSE 301\*

#### Applied MBSE using SysML

(Lecture/Exercise: 12 Hrs)  
Audience: Technical Modelers

- 1) Create and interpret a rudimentary SysML model in support of programmatic decisions
- 2) Distinguish between the nine SysML diagrams and weigh the use of each within a model.
- 3) Have a foundational understanding of MBSE software tools

\* Replaces WKSP0696

### WKMBSE 401

#### DMM in a Model-Based Environment

(Lecture/Exercise: 12 Hrs)  
Audience: Technical Modelers

- 1) Create and interpret analysis models in support of programmatic decisions
- 2) Compare and defend design constraints within the system model
- 3) Have a foundational understanding of MBSE software tools

More information at <https://www.afit.edu/LS/>

