

# CSSE 490 – Advanced Topics: Model-Based Software Engineering

## Case Study 1

### Objective

To examine the Unified Modeling Language version 2 (UML 2) in light of its origins as it supports Model-Driven Development.

### Due Date

1:35 p.m., Tuesday, Week 6

### Tasks

1. Read the paper entitled, “UML 2: A model-driven development tool” by Bran Selic and consider the implications on UML for Model-Driven Development.
2. Write a paragraph summarizing the major thrusts of the paper.
3. Describe the two distinct groupings of capabilities discussed in the paper.
4. Outline what is new in UML 2 (a list of bullets with a short description each). Briefly outline the merits of UML 2 compared with the previous version.
5. Why was it necessary for the new UML 2 to have more precision?
6. What does Selic say about UML and Domain Specific Languages (DSL)?
7. Be prepared to lead and participate in a discussion on these on Tuesday in class.

### Submitting Your Work

Please submit your answers single document in class”. Please submit the file with a cover page containing your Name, Assignment Title, and Date.