

COURSE OUTLINE

Developing Domain Specific Languages in MagicDraw

Module 01

DSL Concepts & Overview

- Course Overview
- Key Concepts and Terms
- Metaclasses
- Stereotype vs. Stereotyped Element
- Additional Resources

Module 02

Profiles

- Overview
- Profile Diagram
- Package Import Relationship
- Creating Profiles
- Reuse & Management
- Demo

Module 03

Stereotypes

- Overview
- Extends Relationship
- Pros & Cons of Stereotypes
- Core Metadata
- Creating Stereotypes
- Changing a Stereotype's Metaclass
- Inheritance
- Using Stereotypes
- Applying vs. Refactoring
- Invisible Stereotypes
- Demo

Module
04

Tags & Tagged Values

- Tags Overview
- Tags vs. Tagged Values
- Examples
- Creating Tags on Stereotypes
- Default Values & Multiplicity
- Editing Tagged Values
- Demo

Module
05

Customizations

- Customization Overview
- What can Customizations Do?
- DSL Development Process
- Customization Element Properties
 - Overview
 - Covered Properties
 - Property Details
- Additional Properties
 - Overview
 - Place on Diagram Palette
 - Meta Property
 - Property Group
 - Auto Numbering Property
- Derived Property Specification
- Demo