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Certified Systems Engineering Associate Modeling PREEvision

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Delivery Format:	This course is offered in blended learning format. In the blended learning format the content will be learned via E-Learning and there will be accompanying remote sessions.
Duration:	4 weeks (approx. 30 h of self-study + 9 h of remote sessions) Please make sure you have enough time to self-study between the remote sessions.
Target Group:	New and experienced PREEvision users.
Prerequisites:	None. It is beneficial if you already have knowledge of model-bases development.
Goal:	Acquire knowledge about the concepts and the fundamental usage of PREEvision.

1. **Getting Started**
   - Introduction to the basic concepts of PREEvision
   - Startup and overview
   - Functions for first time users
   - Basic actions
   - Working with diagrams and tables
   - Traceabilty through mappings
   - Database interactions
   - Version management

2. **Systems Engineering Basics**
   - Model based systems engineering
   - Traceability
   - Consistency

3. **Layer Model Introduction**
   - Overview layer model
   - Traceability through mappings

4. **Advanced Diagram Modeling**
   - Advanced diagram usability and populate
   - Reuse
   - Refactorings

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5. **Type-Instance Concepts**
   - Type-Instance concept
   - Type-Prototype-Instance concept
   - Working with scopes and workspaces

6. **Advanced Table Handling**
   - Extend tables
   - Placeholder references within text

7. **Model Review**
   - Consistency checks and online checks
   - Life Cycle Management

8. **Tracing Changes**
   - Change marker and change history
   - Compare

9. **Toolchain Integration**
   - PREEvision as part of your toolchain
   - Exports
   - Imports

10. **Advanced Data Management**
    - Productline management
    - Variant management

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Schedule:

