

ONTOLOGY DESIGN

Training Programme

This comprehensive training program equips you with the skills and knowledge to design high-quality ontologies. You'll gain a solid understanding of ontology design principles and best practices, enabling effective information organization and knowledge sharing within your organisation.

A ONE DAY COURSE
Presented by Semantic Partners

LEARN HOW TO

- Understand the principles and methods underlying ontology design.
- Pick classes and distinguish them from individuals.
- Master different types of hierarchies and construct taxonomies with the right structure.
- Single out entities and figure out their identity conditions.
- Evaluate upper-level ontologies and choose the fittest one.
- Construct good definitions and vocabularies.
- Assess the adequacy of your ontology.
- Extract the latent ontology from any information system and make it explicit.



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COURSE OUTLINE

- General Tenets
- How to Pick Classes
- Taxonomy Structure
- Identify Conditions and Individuation
- Upper-level Ontologies
- How to Define
- Vocabularies and Naming Patterns
- Adequacy Assessment Methods
- Ontological Commitments

WHO SHOULD TAKE THIS COURSE

If you're familiar with knowledge graphs and Semantic Web standards but unsure how to build an ontology, this course is for you. You'll learn concepts and methods for designing high-quality ontologies rigorously and systematically.

PREREQUISITES

Knowledge of RDF; knowledge of OWL is an advantage, but is not essential (Introduction to Knowledge Graphs course or equivalent).

Some familiarity with data modelling.

COURSE DELIVERY

The course consists of a series of modules with a mix of frontal teaching, class interactions, and hands on exercises to put what you learn into practice straight away.

The environment for the exercises is provided by Semantic Partners hosted in the cloud.

ABOUT SEMANTIC PARTNERS

Semantic Partners was established in 2021 in response to the increasing demand for RDF based Knowledge Graph solutions.

We are a team of experienced data and semantic specialists, who partner with many leading vendors in the data and graph space, complementing your internal Knowledge Graph and Semantic engineering efforts.

