

Course Introduction

[TDT44 Semantic Web](#) a specialization module in [TDT4730 Information Systems](#)

Goal

The students get an orientation of the theoretical, methodological and technological background and of the ongoing standardization work that support semantic Web.

Theme

Ontology, information service and model

Contents

The specialization topic includes background, construction and realization of the semantic Web. It gives insight to relevant problems within Web information resources and services, especially semantic Web enabling technology, building of machine readable specifications of information and service content, construction of generic knowledge bases (repositories) and their semantic enrichment, semantic interoperability and model management.

Study materials

Selected book chapters
(possibly also journal articles and research reports)

Organization

Self study, with checkpoints for the participants to discuss the book chapters with each other.
There is one obligatory **assignment** that will make up the grade together with a small **oral presentation**.

Chapter discussions by students are mandatory to pass the class.