



1.	<b>Course title</b>	Web Based Systems
2.	<b>Course code</b>	F18L3W079
3.	<b>Semester</b>	7
4.	<b>Unit offering the course</b>	Faculty of Computer Science and Engineering
5.	<b>ECTS</b>	6
6.	<b>Goals of the study programme</b>	
		Learning and using the technologies of the Semantic Web and Linked Data. The students will learn how to develop intelligent applications based on Linked Data, and discover and use Open Data datasets.
7.	<b>Contents of the study programme</b>	
		The development of WWW. The Semantic Web. Basic protocols and standards for the Semantic Web. Ontology development (analysis, reuse, design, metadata, knowledge base). Open Data. Linked Data. Schema.org as a concept for global communication. Using large-scale datasets (DBpedia). Linked Data Provenance. Creating your own datasets. Data cleaning and preparation. Using and processing text files. Statistical and machine analysis of data. Intelligent applications based on Linked Data.