



HÖGSKOLAN I GÄVLE

Map Services with Open Source 5 cr

Karttjänster med Open Source 5 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

9/13/16

VT2017

Level	G2F
Education level	First cycle
Course identifier	DVG508
Credits	5 cr
Main field of study	Computer Science
Subject group	Computer Technology
Disciplinary domain	Technology 100.0 %

Learning outcomes After completion of the course the student shall be able to

1. manage a map service for web
2. explain and use the appropriate clients for GIS-web services
3. manage a working client for a specific dataset
4. develop a method to collect, store, and visualize geographic data in an easy and inexpensive way with the help of open source software.

Course content Web Map Service (WMS) based services
Web Feature Service (WFS) based services
Styled Layer Descriptor (SLD) for maps
Open standards for GIS
Web Mapping Applications
Thin web mapping client
Methods for handling geographical information
Gazetteer

Teaching Lectures, computer laborations, consultations on assignments.

Prerequisites Computer Science 60 credits inclusive the course Development of Distributed GIS 15 credits or equivalent.

Examination	Assignments and project		
Grade	A, B, C, D, E, Fx, F		
Other regulations	Grading criteria are provided by the course coordinator or examiner in connection with the course introduction.		
Sustainable environment	A minor part of the course content deals with sustainable development.		
Module			
	0010 Assignments	3 cr	Grade: AF
	0020 Project	2 cr	Grade: AF