



HÖGSKOLAN I GÄVLE

Learning in Mathematics for Schoolyears 4-6, Geometry 7.5 cr

Matematikinläring med inriktning mot årskurs 4-6, geometri 7,5 hp

Set by Faculty of Engineering and Sustainable Development

Version	Set at	Valid from
	3/10/14	HT2014

Level	G1F
Education level	First cycle
Course identifier	MAG342
Credits	7.5 cr
Main field of study	Mathematics
Subject group	Mathematics
Disciplinary domain	Natural sciences 100.0 %

Learning outcomes	After completion of the course, the student shall be able to 1. give an account of the meaning of, and didactical aspects of, concepts relevant to the course 2. use pedagogical tools and problem solving strategies to illustrate mathematical concepts and relations and to solve mathematical problems 3. give examples of how to teach about basic mathematical concepts, relations and problems 4. reason about the importance of language in mathematical learning.
Course content	Geometry Statistics Probability theory Use and analysis of analog and digital tools The importance of language in learning mathematics
Teaching	Lectures, problem solving sessions, lab work, seminars, and problem demonstrations
Prerequisites	Utbildningsvetenskaplig kärna 1, 30 hp i grundlärarprogrammet eller avslutad/påbörjad lärarutbildning och Matematik 2a/2b/2c alternativt Matematik B
Examination	Written and oral examination, and active participation in educational activities

Grade	A, B, C, D, E, Fx, F		
Other regulations	Grading criteria are provided by the examiner or course coordinator in connection with the course introduction.		
Sustainable environment	A minor part of the course content deals with sustainable development.		
Module	0010 Written and oral examination	7.5 cr	Grade: AF