



HÖGSKOLAN I GÄVLE

Introduction to Data Communications 7.5 cr

Introduktion till datakommunikation 7,5 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

5/21/14

VT2015

Level	G1N
Education level	First cycle
Course identifier	DVG005
Credits	7.5 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. account for common standards and abbreviations occurring in computer networks
2. describe how the Internet functions and how digital information is sent between computers
3. evaluate relevant network information that constitutes the basis of supervision of the condition and performance of computer networks
4. design, configure, test, measure and observe an IP network using a simulator.

Course content

Practical and theoretical knowledge about how computer networks are built and developed
Interaction between various types of computer networks
Standardized network-based services in changing environments
Current problems in the area

Teaching

Lectures and laboratory sessions

Prerequisites

General eligibility to university studies

Examination

Written and Computerized Examination, Laboratory Work and Written Assignments.

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	Laboratory Work	2.5 cr	Grade: UG
0020	Assignment	1.5 cr	Grade: UG
0030	Computerized Examination	1 cr	Grade: AF
0040	Written Examination	2.5 cr	Grade: AF