



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

8/25/17

VT2018

Level	G1F
Education level	First cycle
Course identifier	DVG325
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. state 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. measure, observe and analyze an IP network.

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

Computer Systems 7,5 cr or alternatively Programming Methodology 7,5 cr or equivalent

Examination

Written Examination, Laboratory sessions and written assignments

Module 0010 Written Examination examines learning outcomes 1 and 2, grades A-F.

Module 0020 Laboratory sessions and written assignments examines learning outcomes 3 and

	4, grades Pass, Fail.		
Grade	A, B, C, D, E, Fx, F		
Other regulations	Degree Criteria for final grade will be given by course responsible or examiner latest at the beginning of the course.		
Sustainable environment	A minor part of the course content deals with sustainable development.		
Module			
	0010 Written Examination	4 cr	Grade: AF
	0020 Laboratory sessions and written assignments	3.5 cr	Grade: UG