



## 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**

<b>Level</b>	G1F
<b>Education level</b>	First cycle
<b>Course identifier</b>	DVG325
<b>Credits</b>	7.5 cr
<b>Main field of study</b>	Computer Science
<b>Subject group</b>	Computer Technology
<b>Disciplinary domain</b>	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 ekvivalent

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