



Faculty of Health, Science and Technology
Computer Science

Syllabus

QUIC and the Evolution of the Web

Course Code:	DVAD62
Course Title:	QUIC and the Evolution of the Web <i>QUIC och webbens utveckling</i>
Credits:	1.5
Degree Level:	Master's level
Progressive Specialisation:	Second cycle, has only first-cycle course/s as entry requirements (A1N)

Major Field of Study:
DVA (Computer Science)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2018-09-09, and is valid from the Spring semester 2019 at Karlstad University.

Prerequisites

Upper secondary level English 6 or B. Computer Science 30 ECTS cr, or three years of work experience in the IT sector, or equivalent.

Learning Outcomes

Upon completion of the course, students should be able to:

- explain how web pages are designed, how they have developed over time and what demands they put on the network,
- give an account of the different protocols used to access the web and the limitations of the various protocols,
- describe important design choices and mechanisms in QUIC and identify in what situations QUIC works well.

Content

The module deals with the evolution of the web and its interaction with underlying communication protocols. The demands of modern web applications on the network are analysed and the various protocols used in web communication are introduced. Focus is on QUIC, its design and key mechanisms.

Reading List

See separate document.

Examination

Assessment is based on hand-in assignments and an oral exam.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course. Engineering students are awarded one of the grades Pass with Distinction (5), Pass with Some Distinction (4), Pass (3) or Fail (U).

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

DVAD62 cannot be included in the same degree programme as DVAD60 Future Internet Design and Service Quality.

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.