Reg No: DVAD53/20192

Faculty of Health, Science and Technology
Computer Science

Syllabus

Topics on Network Function Virtualization (NFV)

Course Code:	DVAD53
Course Title:	Topics on Network Function Virtualization (NFV) *Introduktion till Network Function Virtualization (NFV)*
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 2019-02-21, and is valid from the Autumn semester 2019 at Karlstad University.

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

Learning Outcomes
Upon completion of the course, students should be able to:
1. understand and explain the most important technological developments in NFV (Network Function Virtualisation),
2. understand and analyse research literature on NFV-based solutions,
3. create and activate a small NFV-based solution, and
4. assess and comment on results of NFV-based alternatives, and disseminate knowledge (orally and in writing) about relevant literature (conference papers and journal articles).

Content
The course introduces different techniques and platforms for so-called Network Function Virtualisation (NFV). Each course component begins with a brief overview of a topic, followed by group discussions chaired by students under the supervision of lecturers or guest lecturers. Students are expected to 1) read the available course material and prepare carefully for each lecture/seminar, 2) solve problems in groups or individually, and 3) present and reflect upon their solutions (orally and in writing) to an audience of other students taking the course.

Reading List
See separate document.

Examination
Assessment is based on individual hand-in assignments and active participation in discussions.

If students have a decision from Karlstad University entitling them to special pedagogical support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

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

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

The course DVAD53 cannot be included in the same degree programme as the course DVAD50.