

## Implementation plan Finished

|                                                        |                                                                                                                                                                                                                      |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Study unit                                             | Network Applications (A9185), 5.0                                                                                                                                                                                    |
| Implementation                                         | CCA1521: 2/2015-2016 (10.03.2016 - 23.06.2016)                                                                                                                                                                       |
| Type                                                   | INFORMATION INFRASTRUCTURE AND SECURITY (A845)                                                                                                                                                                       |
| Groups                                                 | Primary: CCA15SY Others :                                                                                                                                                                                            |
| Involved in the project                                |                                                                                                                                                                                                                      |
| Lecturers                                              | Koponen, Salmenkylä                                                                                                                                                                                                  |
| Number of participants                                 | <b>Minimum: Maximum:</b>                                                                                                                                                                                             |
| Enrolment period                                       | 30.11.2015 08:00 - 07.12.2015                                                                                                                                                                                        |
| Main timing for implementation                         | On working days during daytime                                                                                                                                                                                       |
| Applicability                                          | <b>For exchange students:</b> No <b>For elective studies:</b> No <b>Open UAS student:</b> No <b>Suitable for virtual UAS:</b> Yes                                                                                    |
| Teachers                                               | Koponen Seppo (Teacher in charge), Salmenkylä Riku (Other teacher)                                                                                                                                                   |
| Campus                                                 | Laurea Leppävaara                                                                                                                                                                                                    |
| Main location for implementation                       | At the campus                                                                                                                                                                                                        |
| Implementation method                                  | Optima realization/student group, Web/virtual <b>Language:</b> English <b>Virtuality:</b> 2 cr <b>Integration of R&amp;D:</b> 0 cr                                                                                   |
| Implementation class                                   | LbD supporting knowledge and skills development                                                                                                                                                                      |
| Focus areas                                            | Security, safety and social responsibility                                                                                                                                                                           |
| Evaluation at the latest                               | 23.07.2016 <b>Storing of graded material ends.:</b> 23.06.2017                                                                                                                                                       |
| Exam days                                              | <b>Re-exams:</b> 09.06.2016                                                                                                                                                                                          |
| Having completed the study unit the student is able to | The student is able to: <ul style="list-style-type: none"> <li>• develop and manage LAN services</li> <li>• identify common network applications for companies and the security threats directed at them.</li> </ul> |
| Previous studies                                       |                                                                                                                                                                                                                      |
| Previous studies, more information                     | Working knowledge of Ethernet LANs and IP networks and protocols is necessary. A good background is A9186 Networking infrastructure.                                                                                 |
| Contents                                               | - Configuration of networks equipment at network laboratory and/or virtual environment.- Individual studies at Optima with course material.. Lectures                                                                |
| Study material                                         | CCENT/CCNA ICND1 Official Exam Certification Guide. 2nd ed. ciscopress.comCCNA ICND2 Official Exam Certification Guide. 2nd ed. ciscopress.comOther material announced at 1st. lecture                               |
| Evaluation criteria and methods                        | Evaluation is based on small assignments and quizzes during the implementation. It is also possible to do one final exam. Active participation in assignments and lectures is expected and rewarded.                 |
| Other arrangements                                     | NOTE: the first lecture is on Thu 10.3.2016!                                                                                                                                                                         |