

## Implementation plan Finished

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|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Study unit</b>                                             | ICT Network Infrastructure (A9064), 5.0                                                                                                                                                                                                                                                                                                                  |
| <b>Implementation</b>                                         | NIA1221: 2/2012-2013 (07.01.2013 - 06.05.2013)                                                                                                                                                                                                                                                                                                           |
| <b>Type</b>                                                   | INITIATION OF PROFESSIONAL GROWTH (A029)                                                                                                                                                                                                                                                                                                                 |
| <b>Groups</b>                                                 | Primary: NIA12SN Others :                                                                                                                                                                                                                                                                                                                                |
| <b>Involved in the project</b>                                |                                                                                                                                                                                                                                                                                                                                                          |
| <b>Lecturers</b>                                              | Jouni Takala, visiting lecturers                                                                                                                                                                                                                                                                                                                         |
| <b>Number of participants</b>                                 | <b>Minimum: Maximum:</b>                                                                                                                                                                                                                                                                                                                                 |
| <b>Enrolment period</b>                                       | 26.11.2012 08:00 - 02.12.2012                                                                                                                                                                                                                                                                                                                            |
| <b>Main timing for implementation</b>                         |                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applicability</b>                                          | <b>For exchange students:</b> Yes <b>For elective studies:</b> No <b>Open UAS student:</b> Yes <b>Suitable for virtual UAS:</b> No                                                                                                                                                                                                                       |
| <b>Teachers</b>                                               | Takala Jouni (Teacher in charge), Salmenkylä Riku (Other teacher)                                                                                                                                                                                                                                                                                        |
| <b>Campus</b>                                                 | Laurea Leppävaara                                                                                                                                                                                                                                                                                                                                        |
| <b>Main location for implementation</b>                       |                                                                                                                                                                                                                                                                                                                                                          |
| <b>Implementation method</b>                                  | Optima realization/student group, Other method of implementation <b>Language:</b> English <b>Virtuality:</b> 0 cr <b>Integration of R&amp;D:</b> 0 cr                                                                                                                                                                                                    |
| <b>Implementation class</b>                                   |                                                                                                                                                                                                                                                                                                                                                          |
| <b>Focus areas</b>                                            |                                                                                                                                                                                                                                                                                                                                                          |
| <b>Evaluation at the latest</b>                               | 06.06.2013 <b>Storing of graded material ends.:</b> 21.06.2014                                                                                                                                                                                                                                                                                           |
| <b>Exam days</b>                                              |                                                                                                                                                                                                                                                                                                                                                          |
| <b>Having completed the study unit the student is able to</b> | <ul style="list-style-type: none"> <li>describe and demonstrate the concepts of IP networks including routing, LANs, WANs and IP subnetting</li> <li>analyse the project tasks related to building, expanding, managing and maintaining networks, independently and in groups</li> <li>justify solutions related to ICT data network projects</li> </ul> |
| <b>Previous studies</b>                                       | Data Networks or equivalent knowledge                                                                                                                                                                                                                                                                                                                    |

## Learning events

| Date       | o'clock/at h | 2 | Subject       | Content                                            | Status | Teachers     |
|------------|--------------|---|---------------|----------------------------------------------------|--------|--------------|
| 28.01.2013 | 9:00         | 2 | Introduction  | Objectives, content, assignments, labs, evaluation | 009    |              |
| 29.01.2013 | 9:00         | 2 | IP subnetting | Binary mathematics, IP subnetting basics           | 205A   | Jouni Takala |
| 04.02.2013 |              |   | IP subnetting | IP subnetting theory continue                      | 009    |              |
| 05.02.2013 |              |   | IP subnetting | IP subnetting, lab exercise?                       | 205A   |              |
| 11.02.2013 |              |   |               |                                                    |        |              |
| 12.02.2013 |              |   |               |                                                    |        |              |
| 18.02.2013 |              |   |               |                                                    |        |              |
| 19.02.2013 |              |   |               |                                                    | 205A   |              |
| 25.02.2013 |              |   |               |                                                    | 009    |              |
| 26.02.2013 |              |   |               |                                                    |        |              |
| 04.03.2013 |              |   |               |                                                    |        |              |
| 05.03.2013 |              |   |               |                                                    |        |              |
| 11.03.2013 |              |   |               |                                                    |        |              |
| 12.03.2013 |              |   |               |                                                    |        |              |
| 18.03.2013 |              |   |               |                                                    |        |              |
| 19.03.2013 |              |   |               |                                                    |        |              |
| 25.03.2013 |              |   |               |                                                    |        |              |

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|------------|--|--|-----------------------------------|--------------------------------------------------|--|--|
| 26.03.2013 |  |  |                                   |                                                  |  |  |
| 01.04.2013 |  |  | Easter holiday                    | No lectures                                      |  |  |
| 02.04.2013 |  |  |                                   |                                                  |  |  |
| 08.04.2013 |  |  | Network services and applications |                                                  |  |  |
| 09.04.2013 |  |  | Network services and applications |                                                  |  |  |
| 15.04.2013 |  |  |                                   | Jouni Takala in Finnips entrance exam in Tallinn |  |  |
| 16.04.2013 |  |  |                                   | Finnips entrance exam in Tallinn                 |  |  |
| 22.04.2013 |  |  | Network services and applications | Exam Part C (Network services and applications)  |  |  |
| 23.04.2013 |  |  | Conclusion                        | Feedback review                                  |  |  |