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| **Course unit title** | **STUDY PAPER (PROGRAMMING PROJECT)** |
| **Course unit code** | InfT6023 |
| **Type of course unit**  | B part – Restricted option |
| **Level of course unit** | 2nd cycle (Master) |
| **Year of study**  | - |
| **Semester** | II |
| **Number of ECTS credits** | 3 |
| **Name of lecturer(s)** | Anita Jansone, Dr.sc.comp.Dzintars Tomsons, Mg.sc.comp. |
| **Learning outcomes of the course unit** | **Aims of the course**The aim of the programming project is to devlop skills and abilities in designing and development of software system**Objectives of the course*** To develop programming skills and abilities with modern programming tools
* To improve skills and abilities, which are needed for work in programmers workgroup.

To improve needed skills and abilities for development of software's documentation.**Results of the course(competences to be developed)**Mastered skills and improved abilities, which are needed for work in programmers work group |
| **Mode of delivery** | Face-to-face |
| **Prerequisites and co-requisites** | Systemanalysis and Software Testing |
| **Recommended optional programme components** | - |
| **Course contents** | Within the framework of programming project students without assistance are doing substantial work for software's devlopment: work out problem description, identify requirements for computer system's development, prepare design of computer system, develop programs, carry out their testing, prepare system's documentation. |
| **Course plan** | Development of programming project is being done in work groups of 3-4 for students in each. Students receive the description of designing information system on the second term's beginning. Separate parts of the project are prepared as indivual works in courses ''Systemanalysis' and 'Software Testing'.Parts of the study project:* Descriptions of partners' roles
* Project Management Plan (PMP)
* Configuration management plan
* Requirements specification (PRS)
* Designing description (SDD)
* Software's code and its description
* Procedure and documentation of testing
* User's manual
* Appendices

Programming project has been defended in front of commission, where the student presents both group's shared task and product, and the results of his/her individual work |
| **Recommended or required reading** | Schwalbe K. "Information Technology Project Management, Second Edition." - Course Technology. Thomson Learning, http://www.course.com/downloads/mis/schwalbe, 2002. |
| **Planned learning activities and teaching methods** | Practical works, student's individual work |
| **Assessment methods and criteria** | **Exam**Software development is being done in work groups of 3-4 for students in each. Students share responsibility between members of the group. Programming project has been defended in front of commission, where the student presents both group's shared task and product, and the results of his/her individual work (software, documentation etc.) |
| **Language of instruction** | English |
| **Work placement(s)** | N/a |