|  |  |
| --- | --- |
| **Course unit title** | **BUSINESS PROCESS RE-ENGINEERING** |
| **Course unit code** | Citi6041 |
| **Type of course unit**  | A part – Compulsory part |
| **Level of course unit** | 2nd cycle (Master) |
| **Year of study**  | - |
| **Semester** | III |
| **Number of ECTS credits** | 3 |
| **Name of lecturer(s)** | Anita Jansone, Dr.sc.comp. |
| **Learning outcomes of the course unit** | **Aims of the course**To develop understanding of reconstruction of business process (reengineering), its aims, general conception and reconstruction's methods and tools.**Objectives of the course**To acquire al conception of business process reconstruction, methods and tools of reconstruction**Results of the course**Knowledge about substance, aims, methods and tools of business process reconstruction. |
| **Mode of delivery** | Face-to-face |
| **Prerequisites and co-requisites** | Business processes modelling |
| **Recommended optional programme components** | - |
| **Course contents** | The aim of the course -to develop understanding of reconstruction of business process (reengineering), its aims, general conception and reconstruction's methods and tools. In practical part of the course students work out business process simulating models, using different tools and fortify their correctness. |
| **Course plan** |

|  |  |
| --- | --- |
| 1. Notion of business processes reengeneering (BPR)
 | BPR definitionBPR life cycleBPR processes |
| 1. BPR and total quality management
 | BPR examplesFive maturity satges of organisation processes |
| 1. Systems' modelling and simulation
 | Cause-effect diagrams |
| Mathematical models of processes |
| Tools of modelling and simulation |
| 1. Processes simulation, using GRADE
 | * Resources of processes simulation in GRADE tool
* Statistics and analysis of processes simulation results,
* Semantics of GRAPES-BM language's imitation
 |
| 1. Usage of UML in business processes reengineering
 | * Diagrams of UML activities
* Composition diagrams of UML
* UML's sequence diagrams
 |
| 1. Inovation management
 | * General overview and process of innovation implementation
* Innovation sources and needed resources for implementation
* Assessment of innovation ideas and decision-making
* Technological aspects of innovation
* Innovation implementation and management
 |

 |
| **Recommended or required reading** | Havey M. Essential Business Process Modeling. O’Reilly, 2005. Meredith, J.R., Shafer, S.M., Turban, E. Quantitative Bussiness Modeling. Thomson Learning, 2002.Clarence G.Feeldmenn. The Practical Guide to Business Process Reengineering Using IDEF0, 1998, ISBN: 0-932633-37-4 |
| **Planned learning activities and teaching methods** | Practical works, lectures, Student's individual work |
| **Assessment methods and criteria** | **Test**Students have to fulfil all tasks of individual work. Students have to prepare and present a report about previously chosen theme. |
| **Language of instruction** | English |
| **Work placement(s)** | N/a |