

# Project management with Theory of Constraints

**Lecturer:** Anikin Yury Aleksandrovich, C.Sc.

**Turn:** 3 **Duration:** 18 weeks

**Workload (h):** 108      **Presence (h + CH):** 64 (8)      **Self-Study (h):** 36

**Contents:** The course contains topics about planning and implementing software development projects using the Theory of Constraints.

**Background and relations to other courses:** basics of project management.

**Main topics and learning objectives:**

1. Methodologies of Project management
2. Common tasks of Project management
3. Method of critical way, PERT-analysis
4. Introduction to TOC, basic principles
5. Instruments of TOC
6. Critical chain method
7. Embedding TOC solution with Critical Chain method to project management practice
8. Project cost management
9. Risk management
10. Supply management
11. Quality management

**Assessment:**

**Formative:** in interaction with lecturer and tutor during learning period. On site, skype, email are preferable.

**Summative:**

Number and Type; Connection to Course	Duration	Part of final mark in %
Pass Test	90 min	100%

**Learning outcomes:**

**Academic:** To know ToC management methodology, methods of planning and controlling projects using ToC tools.

**Prerequisites for Credit Points:** The credit points will be granted when the course has been successfully completed, i.e. all parts of the examination are passed.