Tárgytematika / Course Description
Modern Technologíes of System Development

GKNM_INTA064

Tárgyfelelős neve / Teacher's name: dr. Kovács Katalin	**Félév / Semester:** 2023/24/1
Beszámolási forma / Assesment: Vizsga	
Tárgy heti óraszáma / Teaching hours(week): 2/0/0	**Tárgy féléves óraszáma / Teaching hours(sem.):** 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

The aim of the course is to present the latest methods of system and software development through practical examples.

TANTÁRGY TARTALMA / DESCRIPTION

Description, topics

- Project management and system architecture
- Software as a product. The development process
- Software crisis – retrospection
- From waterfall to agile: methods and critical analysis
- Kanban, Scrum, eXtreme Programming
- Test Driven Development
- Distributed and collaborating software,
- Team working and team control software
- Distributed and multilayer application engineering
- Continuos Integration / Continuos Delivery / Continuos Deployment / DevOps
- SaFE – Scaled Agile Framework for organizations

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Assessment's method

Students solve an independent task (case study, comparative analysis) or take an oral exam on the topic of the subject.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Bibliography

Lecture notes

AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL

Bibliography