

## Tárgytematika / Course Description Modern Technologies of System Development

GKNM\_INTA064

Tárgyfelelős neve /

Teacher's name: dr. Kovács Katalin

Félév / Semester: 2023/24/2

Beszámolási forma /

Assesment: Vizsga

Tárgy heti óraszám /

Teaching hours(week): 2/0/0

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

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### 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.

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### 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
- Continuous Integration / Continuous Delivery / Continuous Deployment / DevOps
- SaFE – Scaled Agile Framework for organizations

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### SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'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.

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## **KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL**

Bibliography

Lecture notes

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## **AJÁNLOTT IRODALOM / RECOMMENDED MATERIAL**