Tárgy neve: Project management in informatics

Tárgyfelelős neve: Dr. Gregorics Tibor
Tárgyfelelős tudományos fokozata: PhD
Tárgyfelelős MAB szerinti akkreditációs státusza: AT

Az oktatás célja:
a, knowledge
- Basic management and leadership skills to perform tasks related to the profession.
- Knowledge of the possibilities, principles and problems of the application of geoinformatics for state (e-government) and market purposes.
b, abilities
- Ability to manage processes and projects related to the field of geoinformatics at managerial level.
- Ability to perform problem solving, planning, development, operation, management and consulting tasks in the operation of geoinformatics systems, decision support systems and expert systems. Ability to work with decision makers.
- Ability to assess the business, market and innovative value of the planned and implemented geoinformatics systems, as well as their compliance with user and social needs.
c, attitude
- Open and committed to critical feedback and evaluation based on self-assessment.
- Accepts and adheres to the ethical principles of work and organizational culture, especially with regard to the copyright related to geoinformatics.
- Open to professional cooperation with professionals working in related fields.
d, autonomy and responsibility
- Feels responsible for meeting and making others meet the deadlines. He/she is responsible for his/her work and for his/her co-workers' work in projects.

Az oktatás tartalma:
The aim of the course is to train students to be able to oversee their work environment, to be able to work in group on projects, and possibly lead these groups.
First, we clarify the concept of the project and the important elements that accompany the project (project rectangle). Understanding the role of a project can be attributed to a deeper examination of the project as well a detailed study of the project life cycles (Preparation, Start-up, Planning, Follow-up, Closing, Project Afterlife). We focus on the project planning phase (network planning, time analysis, resource scheduling). Among the project management methodologies, agile methods that are best fitting current industry needs are discussed in details. General project management issues such as:
- What makes a team effective?
- Based on personality models, how can we optimize communication, collaboration, conflict management, and motivation between team members?
- What makes a good leader?
- How to prevent burnout?
are also discussed.
We also examine the project in its broader context, we provide an insight into the issue of corporate culture, analyse the advantages and disadvantages of organizational models and the optimal choice. Given the prevalence of customer service, we deal separately with the method of providing high quality customer service.

A számonkérés és értékelés rendszere: oral and/or written exam.

Kötelező irodalom:
- A Guide to the Project Management Body of Knowledge: PMBOK Guide Author: Project Management Institute Publisher: Project Management Institute Year Published: 2013 Edition: 5 th ISBN: 9781935589679
- Practice Guide (Project Management Institute, 2017, ISBN: 9781628253825)

Ajánlott irodalom:

- Scott Berkun: The Art of Project Management. O'Really. ISBN: 978-1600330537
- A Guide to the Project Management Body of Knowledge (PMBOK® Guide) — Sixth Edition and Agile