**Agile development of software systems** (ECTS credits: 6)

Language: the course is offered in Serbian and Hungarian.

Contact person: Dr. Lívia Szedmina (slivia@vts.su.ac.rs)

**Course description:**

Agile methods are becoming the right choice for software development industry. It covers the foundations of core Agile practices such as Scrum.

This short course cover the following topics:

* Historical overview of methodologies in software development.
* Demonstration of agile methods.
* Advantages and disadvantages of different approaches to problem solving.
* Scrum methodology.
* Organization of project development groups.
* Methods for effective project and group management.
* Project management tools.
* Version tracking tools.

**Aims**

* The students will be able to:
* Practice critically evaluating own code.
* Build technical communication skills.
* Demonstrate the ability to participate effectively in agile practices/process for software development.
* Explain the purpose behind common agile practices.
* Ability to apply agile principles and values to a given situation.
* Ability to identify and address most common problems encountered in adopting Agile methods.