Aspect-Oriented Software Development
ac. year 2008/2009

http://fiit.stuba.sk/~vranic/aovs/

Taught by: Ing. Valentino Vranić, PhD.
Study type: master
Study Program: Software Engineering
Semester: fall
Weekly hours (lectures–exercises): 2–2
Completion: e
Number of credits: 5

The objective of this course is to master basics of aspect-oriented software development, which enables a higher degree of the separation of concerns through crosscutting concern modularization. The course gives an overview of aspect-oriented approaches to software development throughout all of its stages, as well as programming languages connected with these approaches. The course also covers the relationship of aspect-oriented software development and software product lines. Students will gain experience with AspectJ, which is the most important aspect-oriented programming language of today.

Sylabus

1. Crosscutting concerns and aspect-oriented programming. The notion of a join point.
2. Basic approaches to aspect-oriented programming.
5. Idioms and patterns in aspect-oriented programming.
6. Aspect-oriented use cases.
7. Other important aspect-oriented languages.
8. Aspect-oriented software development and software product lines.

Literature

Podmienky absolvovania

The general regulations for courses that end with credit and examination apply to this course.

For a credit to be granted, a project has to be realized and submitted in an acceptable condition according to the assignment not later than in the last week of the term.

Hodnotenie predmetu má tieto zložky:

- term project — 40 %
- term test — 15 %
- exam — 45 %

The term test will be held in the eight week of the term.

Bratislava, September 18, 2008