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www.vsb.cz

Functional Programming

behalek.cs.vsb.cz/wiki/Programming_Languages_and_Compilers

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 VSB TECHNICAL
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FACULTY OF ELECTRICAL
ENGINEERING AND COMPUTER
SCIENCE

DEPARTMENT
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SCIENCE



- Presentations: **Marek Běhálek** (EA404, tel: 5879, email: marek.behalek@vsb.cz)
- Laboratories: Marek Běhálek, ...
- Materials
 - Web pages <http://behalek.cs.vsb.cz/wiki>
 - Old web pages (will be removed in the future) <http://www.cs.vsb.cz/behalek/>
- Basic information + software http://behalek.cs.vsb.cz/wiki/index.php/Programming_Languages_and_Compilers
- Presentations - http://behalek.cs.vsb.cz/wiki/index.php/Programming_Languages_and_Compilers#Presentations
- Laboratories - http://behalek.cs.vsb.cz/wiki/index.php/Programming_Languages_and_Compilers#Laboratories

Subject aims expressed by acquired skills and competences



- Define what is a programming language and how we can describe a programming language.
- Understand how compiler works - application of computer science theory while building a compiler.
- LL1 grammars - simplest way how to create a parser
- A compiler of a programming language is not common task, on the other hand, we are frequently parsing some protocol, reading some structured input, ...
- Run-time environment

Evaluation criteria - where do i get **my** points?



- Subject end with *graded credit* (100 points from laboratories, 51 - 65 Good, 66 - 85 Very Good, **86 - 100 Excellent**).
- Activity
 - [1. week] 10. points - interpreter of expressions.
 - [4. week] 10. points - written test, sets First and Follow.
 - [5. week] 10. points - written test, transforming a grammar to LL1.
 - [5. week] 10. points - written test, parsing with LL1.
- Project
 - Will be evaluated in the last week of semester - 60 points.
 - It will be a compiler of a simple language.

Thank you for your attention

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