Compiler Construction—WS 2011/2012

Sebastian Hack
and
Reinhard Wilhelm
Universität des Saarlandes
with Daniel Grund (Master of TAs)

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Why to take a compiler course?

- to obtain 9 credit points cheaply
- to find a job later more easily
- to learn methods of eternal value
- to get experience with an interesting project
What are the eternal ideas in compilation?
“The Essence of Compilation” Andrei Ershov
Course Structure

Follows (more or less) the compiler structure:

1. Lexical analysis
2. Syntactic analysis
3. Semantic analysis
4. Optimizing transformations
5. Code Generation
   - for virtual machines
   - for real machines
The course will use material from
Wilhelm/Maurer: Compiler Design, Pearson,
Material from the latter book will be distributed, most of the time before the lecture.