

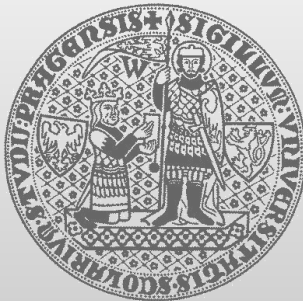
Concepts of Modern Programming Languages NPRG014

<http://d3s.mff.cuni.cz>

Department of
Distributed and
Dependable
Systems



Michal Malohlava and Václav Pech



CHARLES UNIVERSITY IN PRAGUE

faculty of mathematics and physics

Lecturers

- **Michal Malohlava (@mmalohlava)**
 - D3S - room 2004
 - malohlava@d3s.mff.cuni.cz
- **Václav Pech (@vaclav_pech)**
 - JetBrains
 - pech@d3s.mff.cuni.cz

Lecture content

- Scripting, meta-programming, AST transformation, DSLs in Groovy, Scala
- Advanced meta-programming in Clojure
- Concurrency in Groovy, Scala, Go, Erlang
- Ruby/Ruby on Rails/Python
- JavaScript world
 - CoffeScript, ClojureScript
 - Node.JS
- **..... still open.... your suggestions are welcome**

Resources

- **SIS Syllabus**

- <https://is.cuni.cz/studium/predmety/index.php?do=predmet&kod=NPRG014>

- **Lecture homepage**

- Important dates, links, resources
- http://d3s.mff.cuni.cz/teaching/lang_concepts/

- **Lecture projects**

- Source code, lessons' agendas, resources, homework
- <http://code.google.com/p/concepts-of-modern-programming-languages/>

Requirements

- **Attendance** is recommended, but not compulsory
- **Homework**
 - After each lesson
 - 7 lessons => 7 homeworks
 - Simple tasks to verify if you are able to handle a new language and its features
 - Submissions via SIS
 - **5/7 successful homeworks are required to get credits**

Feedback

- **Your feedback is IMPORTANT !**
 - Do not hesitate to tell us
 - If you don't understand
 - If you think we are spending too much time on foundations
 - What do you want hear
 - **Any suggestions, comments are welcome!**