

Functional programming

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What is this course about?

Themes

- Haskell
- Lazy evaluation
- Wholemeal programming
- Using types to your advantage
- Abstraction
- λ -calculus
- Combinatory logic
- Compilation and execution of functional languages
- GHC internals

Organization

Structure

- 16 weeks, 2 classes per week
- 3 modules
 - Introduction to Haskell (6 weeks)
 - Functional abstractions (6 weeks)
 - Functional models of computation (4 weeks)
- ~10 homework assignments (10 points each)



<https://sys.pro/courses/haskell>

Grading

- Final grade is assigned either based on points for homework assignments
 - **A** — 70+ points in total (6+ in each homework)
 - **B** — 60+ points in total (3+ in each homework)
 - **C** — 50+ points in total
- Or by passing grading theory test consisting of
 - 2 random questions from different modules
 - 1 random exercise from homework assignments
- Students wishing to improve grade based on homework points may pass theory test instead
 - In that case their grade from theory test will be the final grade

Q&A