Programming Languages

- Objectives
  - Introduce basic concepts of language design and implementation
  - Study four programming language paradigms

    imperative

    object-oriented

    functional

    logic

Programming Languages

- Textbook

  Concepts of Programming Languages

  9th ed. R.W. Sebesta, Pearson Addison Wesley, 2009.

- Lecture notes & past exams

  Downloadable from e3

Programming Languages

- Selected languages

  1. Fortran : Scientific computation

  2. Perl : CGI (Common Gateway Interface)
     Bioinformatics

  3. Scheme : Impurely functional

  4. Standard ML : Impurely functional

  5. Haskell : Purely functional

  6. Prolog : Logical

Programming Languages

- Requirements

  1   30% Homework + Machine tests

  2   35% Midterm exam

  3   35% Final exam

  The weights are approximate and subject to minor change.

Programming Languages

- Normal grade distribution

Average $78^{\pm}$
$$\begin{cases} 80\sim & (1/3)^{+} \\ 70\sim79 & (1/3)^{+} \\ 60\sim69 \\ \sim59 \quad \geq 15\% \end{cases} (1/3)^{-}$$

Programming Languages

- Meting time

  Wed.   10:10~12:00

  Thurs.   17:30~18:20

  ~~Fri.~~   ~~15:30~16:20~~

  Venue   EC015

Programming Languages

- Office hour

  Time   Mon. 12:00~13:00

  Venue   EC438

  or

  By appointment