SNU 4190.210 Principles of Programming, 2015 Fall

제 1 절 Date and Location

- Lecture: Mon 16:00-17:45, 301-118
- Practice: Wed 16:00-17:45, 302-311-1

제 2 절 Lecturer: Chung-Kil Hur

Office:	301-506, Department of Computer Science & Engineering
Web page:	`http://sf.snu.ac.kr/gil.hur`
E-mail:	`gil.hur@sf.snu.ac.kr`

제 3 절 Objectives

- Ability. You will have ability to write good programs by learning the principles of programming.
- Generality. You will learn general principles that can be applicable to any programming languages.
- Viewpoint. You will have a balanced viewpoint for programming languages. Programs can be seen as a tool for using computers, but on the other hand computers can be seen as a tool for executing programs.
- Topics covered are:
  - Elements & Compound (기본부품과 조합)
  - Recursion & Iteration (재귀와 반복)
  - Procedural & Data Abstraction (속내용 감추기)
  - Modularity & Hierarchy (계층구조로 속내용 감추기)
  - Program Proof (맞는 프로그램인지 확인하기)
  - Types & Typeful Programming (타입으로 정리+이해하기)
  - Values & Applicative Programming (값중심의 프로그래밍)
  - Objects & Imperative Programming (물건중심의 프로그래밍)
  - Exceptions & Advanced Control (예외상황 관리)

제 4 절 Resources

Textbook: *Structure and Interpretation of Computer Programs*, 2nd Ed., Abelson and Sussman, MIT Press

(Translated) [컴퓨터 프로그램의 구조와 해석], 김재우 외, 인사이트, 2007

& on-line/off-line materials.

Programming: We use MIT Scheme (or Racket) and OCaml for programming in the course. See the course website for details.

Course website: `http://sf.snu.ac.kr/gil.hur/4190.210/15`

제 5 절 Grading

Homework 60%, Project 30%, Attendance 10%

- Grading is based on your absolute score, not your relative score among others.
- Do not copy others' solutions. Otherwise you will get an "F".
- *CloneChecker* will detect copied programs automatically.

제 6 절 Teaching Assistants

Yoonseung Kim(`yoonseung.kim@sf.snu.ac.kr`)
Youngju Song (`youngju.song@sf.snu.ac.kr`)
Sanghoon Park (`sanghoon.park@sf.snu.ac.kr`)

TAs run pratice classes, help students and mark their homework assignments.

제 7 절 Homework Assignments and Project

- Your homework assignment is to write a program or a report.
- Your project is to build a mid-scale software system.

HW1:	due 09/21	HW6:	due 11/20
HW2:	due 09/28	HW7:	due 12/02
HW3:	due 10/10	HW8:	due 12/09
HW4:	due 10/22		
HW5:	due 11/02	Project:	due 12/21