

Data Structure (자료구조 및 실습, INA240, IK0003) Syllabus  
Fall term, 2006 (3 credits)

Lecturer: Youn-Hee Han (Rm. 3307, Tel: 560-1486, yhhan@kut.ac.kr)

Classes: Mon, 9:00-1:00am, Wed, 9:00-1:00am

Office Hours: Mon, Wed 2:00-5:00pm

Lecture Room: 3314

TA: SeungIll Hyun (freepison@kut.ac.kr)

Home Page: <http://ime.kut.ac.kr/yhhan>, <http://icl.kut.ac.kr>

Course Board: 'under construction'

References Books

IT CookBook, C C++로 배우는 자료구조론, 주우석, 한빛미디어, 2004년 7월

ISBN: 89-7914-290-0

URL: <http://www.hanbitbook.co.kr/look.php?isbn=89-7914-290-0>

Logistics

Attendance - one class absence will result in the deduction of two points out of 100 points. Five absences will not result in ten points deduction, but "failure" (i.e., grade 'F') in this course.

Exam - there will be midterm exam and final exam for the evaluation of the knowledge learned from the class.

Homework - much intensive homework will be set. Any cheating (or copying) will result in grade 'F'.

Evaluation

Attendance (10%), Homework (20%), midterm exam (30%), final exam (40%)

Coverage

Object-oriented Design

Data abstraction

Pointer, Array, Struct

Recursive

List, Stack, Queue, Priority Queue

Algorithms and Efficiency

Search, Sort

Tree, Balanced Tree