COMP319 Algorithms Syllabus

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COMP319 Algorithm 1

- Primary goal
  - Learn mathematical theories to solve given problems and how to implement the methods
  - Learn conventional algorithms in the computation theory
  - Learn how to compare various algorithms

- Textbook
  - Introduction to Algorithms, Thomas H. Cormen http://www.yes24.com/24/goods/1488338

- Language: English (lecture) / C (homeworks)

- Prerequisites: Data structure, C programming

Grading scheme

- Midterm 20% - midterm exam week
- Final exam 20% - final week of the semester
- 6 programming assignments (homework) 60%
  - Different percentages according to the difficulties
  - Homework announcement schedule (***subject to change***)
    - 9/1 HW1: 2% (pilot assignment)
    - 9/15 HW2: 8%
    - 9/29, 10/13 HW3, HW4: 10%
    - 11/3, 11/17 HW5, HW6: 15%

Programming Assignments (HW)

- C language only
- Compiler setup
  - gcc 5.4.0 20160609 on linux, Ubuntu 16.04
    - Old but stable/expensive/
  - Using other versions/platforms are allowed, but this version will be used in grading and executing the submitted codes
    - At least do check with the above before submission
- How to connect the linux server
  - IP 155.230.27.136, using ssh
    - Due to the KNU security policy change this year, connection to the internal servers are blocked (open sometimes, but not guaranteed)
  - User ID, connection, etc. will be given along with homework 1
- PC version
  - Code::blocks with gcc 5.4.0 20160609 will be provided
- Submission: LMS (lms.knu.ac.kr)