CSIE1212: Data Structures and Algorithms

Hsuan-Tien Lin

Dept. of CSIE, NTU

Course Policies, February 21, 2012

警告: High Expectations

- goal of NTU DSA class:
  as good as the best ones in the world
- tentatively, 6–7 homework sets, midterm, final
  (http://www.csie.ntu.edu.tw/~htlin/course/dsa11spring)
- will have HW1 this week (to be announced before Friday and due next Friday)
- time-consuming programming assignments

be prepared to **work hard**!

警告: Strict Instructor

- Will you give me a second chance if I copy homework from other people? No.
- Could you let me pass because I will be kicked out by the $1/2$ rule? No.
- Will you change my score from 59 to 60? No.

be prepared to **follow the rules**!

警告: Uncertain Outcome

- second-time teaching this course
- ambitious and willing to experiment
  —mixed-English teaching, for instance
- How many people will not pass?
  I don't know yet.
- Will your investment (time) get good return (knowledge)?
  No guarantees, but I'll try my best.

be prepared to **take some risks**!

給資訊系的同學們：努力加油
給想加選的同學們：審慎考慮

Basic Information

- instructor:
  林軒田 Hsuan-Tien Lin (htlin@csie.ntu.edu.tw)
- office hour: after class or by appointment
- course webpage, mailing list:
  http://ceiba.ntu.edu.tw/1002dsa (CEIBA)
- course contents actually in
  www.csie.ntu.edu.tw/~htlin/course/dsa12spring

  Update your secondary email address on CEIBA!

- Will you repeat the previous code/slide again? Yes.
- Will you discuss with me after class if I don't understand? Yes.
- Will you pardon my silly questions? There are no silly questions.

Feel free to ask me questions and give me feedback!

- about 100 seats in room 104, thus the limit
- type-3: just go test your luck
- auditing: welcomed (to sit) only if there is an empty chair

please think before you choose to enroll

Teaching Assistants

- TAs (tentatively):
    - 張雅軒
    - 沈暐原
    - 李俊良
    - 黃以文
- TA email: `dsa@csie.ntu.edu.tw`
  —4 TAs and 1 instructor around, usually faster than sending to individual
- basement office hours: Thursdays 7pm to 8pm

very friendly TAs; ask them more questions!

THE Principle

> Taking any unfair advantages over other class members is not allowed. It is everyone's responsibility to maximize the level of fairness.

- eating? fine, but no smells and no noise
- sleeping? fine, but no snoring
- cellphone? fine, but silent mode, and speak outside
- ...

applies to instructor, TAs, students

NO CHEATING

NO LYING

NO PLAGIARISM

very very very very serious consequences

Grade

- homework (best * 1.5 + worst * 0.5 + others), midterm, final (exam or projet)
- supplementary reference: participation in discussions
- raw score goes through some order-preserving normalization steps
  - raw score 80 with term rank A: possible
  - raw score 80 with term rank B: possible
  - raw score 60 with term rank F: possible
  - raw scores 80, 60 with term scores B, B: possible, but unlikely
  - raw scores 80, 60 with term scores F, B: impossible
- may or may not normalize with respect to the other class

from the principle: **no individual score change**

- homework discussions: encouraged
- but fairness?
  write the final solutions alone and understand them fully
- references (books, notes, Internet):
  consulted, but **not copied from**
- no need to lend/borrow solutions

> to maximize fairness (everyone's responsibility),
> **lending/borrowing/buying/selling not allowed**

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Deal? If your classmate wants to borrow homework from you,
what do you say?

- students: justify solutions clearly
- TAs: evaluate solutions fairly
- no individual extension unless not violating the principle (e.g. institute-established cases of illness or emergency)
- late penalty:
  90% of the value for 12-hour late, 80% of value for 24-hour late, ...

  four penalty-free late half-days (金牌) per person

Textbook

Data Structures and Algorithms in C++, 2nd Edition by
Goodrich, Tamassia and Mount.

- a new one for this semester
- please get it as early as possible
- will try to teach a lot from it

learning to read a textbook is part of the course

Reading Assignments

- weekly
- sections related to what we teach, or sections that are worth reading by yourself
  —we cannot teach all, but with reading you can learn all
- 3-6: 3 hour teaching, 6 hour reading/writing after class

as important as writing assignments:
some may show up in exams

Mandarin and English

- Mandarin: main language
- English: often encountered
  —teaching ($> 1/3$), coding, website, assignments, . . .
  —important for your future and you are recommended to practice

don't be afraid of English

- Update your secondary email address on CEIBA
- Read the policy thoroughly

Enjoy the Class! Questions?