CSED700H: Convex Optimization

Logistics

Namhoon Lee

POSTECH

Fall 2023

Registration

Current

- ▶ 32 students registered so far (as of Sep 1)

Update

- ▶ register/drop by 13 September
- ▶ withdraw between Sep 25 and Nov 3

Other note

- ▶ I can't take more than the current capacity.
- ▶ You can audit the course.

Team

Instructor:

- ▶ Namhoon Lee (namhoonlee@postech.ac.kr)
  - ▶ Assistant Professor in CSE and AI
  - ▶ PI of the Lee Optimization Group
  - ▶ Faculty member in the ML Lab
  - ▶ Visiting Researcher at Google

Teaching assistant (TA):

- ▶ Jinhwan Nam (njh18@postech.ac.kr)

Class assistant (CA):

- ▶ vacant and needs to be filled
- ▶ send me an email to volunteer

Contents

Important dates

No class on holidays

▶ Sep 28, Oct 3

▶ Supplementary study materials will be provided as backup.

Exams

▶ Oct 24 (midterm), Dec 19 (final)

No class on exam weeks

▶ Oct 26, Dec 21
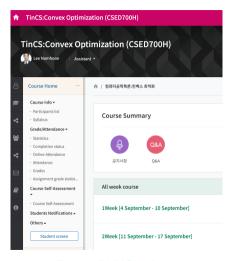
The schedule is subject to change.

Course websites

Figure: PLMS website

Figure: CVXOPT website

Lectures

- ▶ Tuesdays and Thursdays from 9:30am to 10:45am
  - ▶ You're required to attend at least 75% of lectures to receive credits by the University.
  - ▶ Make sure your attendance is recorded well on the online student attendance management system.
  - ▶ Also, we will have pop quizzes; no show will mean no marks.

Office hours

when
- Wednesdays between 5-6pm (by appointment)

where
- in my office or via online

what
- course materials, research problems, general advising

Communication

Method	For
Lecture	course delivery, live discussion
PLMS	announcement, peer-discussion, assignments
Office hours	general Q&A, advising
Email	other inquiries
CVXOPT	reference

We will be speaking in English at all time.

Grading

(NEW) Grading scheme:

Quizzes	Assignments	Midterm exam	Final exam	Total
10	30	30	30	100

- ▶ Letter grading *only* (A, B, C, with $+/0/-$, or F)
  - ▶ Relative evaluation; percentages to be decided based on the final distribution
  - ▶ No S/U grading available for this course; talk to the department admin to switch to letter grading
- ▶ Grading will be generous ☺, but
  - ▶ no soliciting please (*e.g.*, "This is my last semester", "I need to graduate", ...).

Grading – Quizzes

Total scores: 10 (out of 100)

- ▶ It will take place during lecture without notice.
- ▶ If you miss it by any chance (as you are late or absent), you will receive 0 score.

Grading – Assignments

Total scores: 30 (out of 100)

- It will include theory exercises, programming algorithms, reading papers, etc.
- Late submissions will not be received.
  - Exception can be made only for legitimate reasons; still your score will be deducted 20% delay penalty for each day.

Grading – Midterm exam

Total scores: 30 (out of 100)

- ▶ Date: Tuesday 24 October
- ▶ Location: Room 102 in Eng Bldg2.
    - ▶ If you don't turn up, expect to receive 0 score.
- ▶ Based on all the stuff delivered during classes till then.

Grading – Final exam

Total scores: 30 (out of 100)

- ▶ Date: Tuesday 19 December
- ▶ Location: Room 102 in Eng Bldg2.
  - ▶ If you don't turn up, expect to receive 0 score.
- ▶ Based on all the stuff delivered during classes till then.

Academic integrity

If you get caught cheating, you will

- ▶ have to leave the course effective immediately, and
- ▶ be reported to the department for further regulations.

You must follow rules by

- ▶ POSTECH regulations (S01-6-2)
- ▶ Any standard rules from other places (*e.g.*, Oxford, CMU)

Please don't cheat.

Remarks

This course assume you have some basic knowledge in math.

- ▶ Brush up your rusty math if you haven't used them for long!

This course may be moving quite quickly.

- ▶ Make sure you review course materials on due course!

You may learn a lot by interacting with classmates.

- ▶ Engage in the peer discussion on PLMS!

Hope you enjoy taking this course ☺