MAC0143 : Nonlinear Programming (I)

Fall, 2023

Contact Information

Instructor:	Jein-Shan Chen
Classroom:	M212
Time:	Tuesday, 1:20 - 4:20 pm
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Office Hours

You are welcomed to drop by my office whenever I am in or please feel free to make an appointment with me.

Textbook

There are four references for this course. We will mainly read the first one in this semester.

1. Nonlinear Programming, by D.P. Bertsekas, 3rd edition, Athena Scientific, 2016.

2. Nonlinear Programming: Theory and Algorithms, 3rd edition, by M. Bazaraa, H. Sherali, and C. Shetty, 2006.

3. Convexity and Optimization in $\mathbb{R}^n$, by L. D. Berkovitz, 2002.

4. Numerical Optimization, by J. Nocedal and S. Wright, 2006.

Homework and Exams

The good news is that there are no homework and exams for this course. However, this is a graduate course, so you are highly expected to show your ability for independent study. Instead of assigning weekly homework or taking exams, I will arrange everyone who enrolls in this course to take turns presenting course materials. Hopefully, you will learn more through this training.

Grades

Since there are no homework and exams for this course, participation and joining discussion are very crucial. Therefore, your final grade for this course will be determined by these three factors shown as below:

Attendance	30 %
Discussion	20 %
Presentation	50 %

Sometimes you will be asked to attend conferences or workshops related to this course, and attendance of such cases is also counted.