Optimization

Màster de Fonaments de Ciència de Dades

Ignasi Cos (Laboratory projects) & Xavier Jarque (Theory and exercises)

Contents

References

1. Mordecai Avriel: *Nonlinear Programming*. Prentice-Hall, Inc., 1976, 2003 (Dover edition).

2. Dimitri P. Bertsekas: *Nonlinear Programming*. Athena Scientific, 2003.

3. Jorge Nocedal and Stephen J. Wright : *Numerical Optimization*. Springer Series in operation Reseach, Springer 2006 (Second Edition).

4. Lecture notes slides, and laboratory slides, Campus Virtual UB, 2022.

Calendar (Room: T1)

September

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November

Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

In red, regular lecture (13), Tuesday 16:00–18:00
In blue (cyan), laboratory (presentation) session (12), Mondays 14:00–16:00
In green, holidays. In pink, weekends.

Evaluation

Laboratory projects $+$ exercises $+$ final exam

- ▶ **50% laboratory projects**
- ▶ **20% exercises**
- ▶ **30% final exam**

Contact emails

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- ▶ Xavier Jarque   `xavier.jarque@ub.edu`

Office hours

- ▶ Ignasi Cos   Monday 12-14 (P2-33)
- ▶ Xavier Jarque   Tuesday 13-14 (P1-15)