Applied Operations Research

Mario Vanhoucke

Course material:

Book with slides: A bundle with slides entitled "Applied Operations Research" by Mario Vanhoucke will also be made available by Academia Press (and distributed by the student representatives). Academia Press has a student website available at www.story4students.be. The book will become available via the student association at the start of the course. Check their website at www.vek.be for more information.

Additional slides: on Minerva

Course outline

	Friday, 29/09/2017	Class session 1 - Practical details about the course - A general introduction to Operations Research (review) - An introduction to the case
	Friday, 06/10/2017	No class session! - Beware that you finish case A - Available for questions between 13.00 and 18.00 (room 120.012)
	Friday, 13/10/2017	No class session! - Beware that you finish case B - Available for questions between 13.00 and 18.00 (room 120.012) - Submit your first report (cases A and B) to room 120.013 before 16.30h
	Friday, 20/10/2017	Short group session! - Beware that you finish case C - Individual feedback on your first report (room 120.012, see Minerva schedule)
4	Monday, 23/10/2017	Class session 2 - Practical case study on personnel scheduling (= topic of the case) - Integration of various OR techniques
1	Tuesday, 24/10/2017	No class session! - Available for questions between 13.00 and 16.00 (room 120.012) (Note that I leave for a teaching assignment in Beijing and I won't be physically available till 10/11/2017)
	Friday, 10/11/2017	Class session 3 - Heuristic and meta-heuristic optimization - Heuristic programming skills necessary to solve case E
	Friday, 17/11/2017	No class session! - Beware that you finish case D - Submit your second report (cases C and D) to room 120.013 before 16.30h
	Friday, 24/11/2017	Short group session! - Beware that you review cases A-D and that you start working on case E - Individual feedback on your second report (room 120.012, see Minerva schedule)
	Friday, 01/12/2017	Class session 4 - Monte-Carlo and discrete-event simulation - Risk analysis skills necessary to solve case F - Assistants are available for questions all days (room 120.011)
	Friday, 08/12/2017	Class session 5 - Guest speaker: From research to consultancy! - Assistants are available for questions all days (room 120.011) - Beware that you finish cases E and F
	Friday, 15/12/2017	No class session - Presentation of your main results (15 minutes, see Minerva schedule) - Submit your final report at the start of your presentation

General group feedback will be available (announced on Minerva) after reading the final reports.