












5 credits

30.0 h + 22.5 h

Q2

| | |
|-----------------------------|--|
| Teacher(s) | Glineur François ; |
| Language : | French |
| Place of the course | Louvain-la-Neuve |
| Aims | <i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i> |
| Bibliography | <ul style="list-style-type: none"> • Introduction to Linear Optimization, Dimitri Bertsimas and John Tsitsiklis, Athena Scientific, 1997. • Linear Programming. Foundation and Extensions, Robert Vanderbei, Kluwer Academic Publishers, 1996. • Integer Programming, Laurence Wolsey, Wiley, 1998. • Numerical Optimization, Jorge Nocedal et Stephen J. Wright, Springer, 2006. • Convex Optimization, Stephen Boyd et Lieven Vandenberghe, Cambridge University Press, 2004. |
| Faculty or entity in charge | MAP |

| Programmes containing this learning unit (UE) | | | | |
|--|---------------------------|---------|--------------|---|
| Program title | Acronym | Credits | Prerequisite | Aims |
| Master [120] in Electrical Engineering | ELEC2M | 5 | |  |
| Master [120] in Statistics: General | STAT2M | 5 | |  |
| Master [120] in Computer Science and Engineering | INFO2M | 5 | |  |
| Bachelor in Mathematics | MATH1BA | 5 | |  |
| Master [120] in Chemical and Materials Engineering | KIMA2M | 5 | |  |
| Master [120] in Computer Science | SINF2M | 5 | |  |
| Minor in Engineering Sciences: Applied Mathematics | LMAP100I | 5 | |  |
| Additional module in computer science | LSINF110P | 5 | |  |
| Additional module in Mathematics | LMATH100P | 5 | |  |
| Additional module in Statistics and data science | LSTAT100P | 5 | |  |
| Additional module in Mathematics | TMATH100P | 5 | |  |