

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Guided self-study, lecture, project, seminar: coached exercises

Extra information on the teaching methods

Classroom lectures; Classroom problem solving sessions; Project

Learning materials and price

Robert J. Vanderbei. Linear Programming Foundations and Extensions. International Series in Operations Research and Management Science, Vol. 37, 2nd ed., 2001, 472 p., Hardcover ISBN: 0-7923-7342-1. <http://www.princeton.edu/~rvdb/LPbook/online.html>

Optimization in Operations Research. Ronald L. Rardin. Prentice hall, 1998. ISBN 0-02-39815-5

References

- zie <http://telin.rug.ac.be/~philips/optimalisatie/optimalisatie.php#Studiemateriaal>
- Robert J. Vanderbei. Linear Programming Foundations and Extensions. International Series in Operations Research and Management Science, Vol. 37, 2nd ed., 2001, 472 p., Hardcover ISBN: 0-7923-7342-1. <http://www.princeton.edu/~rvdb/LPbook/online.html>
- R.L. Rardin. Optimization In Operations Research. Prentice Hall, 1998. ISBN: 0-02-398415-5.
- J.R. Evans and E.~Minieka. Optimization Algorithms for Networks and Graphs. Marcel Dekker, 2nd edition, 1992. ISBN 0824786025
- A. Dolan and J. Aldoes. Networks and Algorithms. An Introductory Approach. John Wiley, 1999. ISBN 0-471-93993-5.
- W.J. Cook, W.H. Cunningham, W.R. Pulleyblank, and A. Schrijver. Combinatorial Optimization. Wiley, 1998. Interscience Series in Discrete Mathematics and Optimization.
- R.G. Parker and R.L. Rardin. Discrete Optimization. Academic Press, 1988. ISBN: 0-12-545075-3.
- H.A. Taha. Operations Research. An introduction. Prentice Hall, sixth edition, 1997. ISBN: 0-13-272915-6
- W.H. Press, B.P. Flannery, S.A. Teukolsky and W.T. Vetterling. Numerical Recipes in C. Cambridge University Press. 1986
- Gill, Murray en Wright. Practical optimization. Academic Press. 1982. ISBN: 0122839528.
- N. Hartsfield and G. Ringel. Pearls in Graph Theory. A comprehensive introduction. Academic Press, 1994. ISBN: 0-12-328553-4.

Course content-related study coaching

Evaluation methods

end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Written examination, open book examination

Examination methods in case of periodic evaluation during the second examination period

Written examination, open book examination

Examination methods in case of permanent evaluation

Report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is not possible

Extra information on the examination methods

During examination period: written open-book exam; written closed-book exam

During semester: graded project reports. Second chance: Not possible

Frequency: 1x

Calculation of the examination mark

Evaluation throughout semester as well as during examination period