

# MAT-INF4110/MAT-INF9110

## Compulsory Projects

Geir Dahl

September 3, 2013

During the fall 2013 there will be two compulsory projects in this course. Each project report/solutions can be given in paper version or electronically to me (email: geird@math.uio.no) during the lecture (or the same day by mail) in the indicated week. The report is supposed to be done individually or by a group of at most two students.

1. Project 1, deadline September 17.: From lecture notes *Network flows and combinatorial matrix theory*: exercises 1, 2, 3, 4, 5, 7, 8, 12.
2. Project 2, deadline October 23.: From lecture notes *An introduction to convexity*: exercises 1.4, 1.11, 1.14, 1.16, 1.19, 2.17, 2.22, 2.23, 2.27; 3 exercises from chapter 3 (you choose), 4.11, 4.17, 4.20, 4.21, 4.25, 4.27.

There will also be a recommended project (so not compulsory) on computational optimization: modeling and solving a case using the optimization software system OPL-CPLEX. This project will be presented later.