

Lab Information

1 General information about optimization laborations

The computer rooms are located in the B-house, plan 3, corridor B, between entrances 21 and 23. They are called Roxen, Glan, Hunn and Boren (Sjösystemet). It is permitted to work in these rooms outside the scheduled time if there are free places. The computers use Linux Mint. Information about Sjösystemet is available at <http://www.mai.liu.se/datorsys/pul/>.

In order to be able to use workstations at MAI, you need a personal account and be registered for this course (or some other course at MAI). Your user name in MAI's system is the same as your email identity. Initially your password is the same as on the student mail server.

After logging in, you open a terminal window where you write `module add ext/MAI` and `module add math/optlab` in order to set up paths. All programs must be started from a terminal window in which this is done.

Doing laborations remotely

Some laborations or their preparations can be done on your own computer. There is free access to the package GLPK (which contains glpsol and GMPL), and this package is included in some Linux distributions. Octave is a free alternative to MATLAB which is also included in some Linux distributions. MATLAB is available at LIU's software portal, see <http://www.lith.liu.se/it/sitelicenser/>.

Software from MAI is accessible remotely from home (if you have internet and/or patience) in Linux by following the instructions at <https://liu.se/mai/und/sjosystemet-datorlabsystem?l=sv>.

Graphical programs (like VINEOPT) should work properly using X-Windows in Linux. In Microsoft Windows, one can use Xming or Cygwin.

Handing in laborations

There are five laborations in the course. Assignments should be done in groups of (max) *two* persons. All laborations should be handed in in written form. In your reports, answer all questions and attach codes, etc., if required. All corrections must be done before a report is regarded as passed. The reports can be sent by e-mail. Try to put your name on all pages and attachments.

The report for lab 3 should be more detailed, and written as a report to a fictitious client. See information about the laboration for details.

Submit the reports as soon as possible after the laboration class. There is no formal deadline but correcting laboration reports has a high priority only before the first examination. (Later it may take a long time to get them corrected.)