

Lab Guidelines

Map Projections and Geodetic Coordinate Systems

Summer Term 2012

(<http://www.uni-stuttgart.de/gi/geoengine/mappro/lab.html>)

“Map Projections and Geodetic Coordinate Systems” is one out of three module sections of Module 3 (Geodesy). The written examination at the end of the semester and term work contribute with a weight ratio of 3:1 to the final mark. Term work in “Map Projections and Geodetic Coordinate Systems” is issued in the form of work sheets that have to be elaborated individually. Parts of the term work may be embedded in seminars. Weekly labs prepare to tackle the exercises.

Number, evaluation, resubmission. Basically, work sheets are handed out during the labs on a fortnightly basis. The exact number of work sheets is not fixed yet. Depending on the correctness of the results and way of proceeding, each elaboration is evaluated with up to 20 points (100%). Resubmission is not possible once the elaboration is accepted.

Return. Due date to hand in the work sheets is specified on each work sheet, usually two weeks after delivery. In case of delayed submission, a 4-points deduction applies for each working day unless prior consent. Please return your elaborations during the labs. Alternatively you can also submit it to the secretariat. A submission of your elaboration by e-mail is not possible, unfortunately. However, it is expected that you send your program source code by e-mail (address: see checklist below).

Acceptance. The acceptance of an elaboration is refused if its appearance does not meet the minimal standards described below. In this case, the lab is considered as unreturned. However, there is the opportunity for resubmission up to the due date. Note that copying and the application of foreign computing programs is not tolerated, thus causing elaborations to be rejected.

Checklist: Minimal standards for the acceptance of elaborations

Elaboration. Consists of two major parts:

1. *hardcopy or handwritten* part:

- *Cover sheet:* the work sheet with your name and matriculation number.
- *Documentation:* the main part of the elaboration. Includes formulas, calculations, figures, results, analysis/verification of results, comments and discussion.
- *Source code:* this is also a part of the elaboration. (Please, print only this part in a typewriter font, e. g. Courier).

2. *electronical* part:

- *Source code:* the source code must be sent by e-mail to M. Roth:
`matthias.roth@gis.uni-stuttgart.de`, Subject: MP-Lab x , with x = number of lab.

Appearance. A clear structure and readable font is indispensable for both handwriting and using a word processing program.

Numerical results. Provide numerical results only up to significant digits and address physical values with appropriate units. In your documentation do not use variables as they may be applied in a computer program. Instead, refer to the notation in the lectures or to standard literature. E. g., write \hat{x}_2 (and *not* `hat_x_2`)!

Paging. Provide all further sheets with successive page numbers.

M. Roth, April 2012