

Introduction to Numerical Methods Course requirements and gradings

The conditions to pass the course are

- (i) to hand in an executable m-file for all programming exercises,
- (ii) to obtain more than 50% of the points in the programming exercises and
- (iii) to pass the written exam at the end of the term.

The **programming exercises** may be carried out using **matlab** or octave (matlab would be preferable). For matlab you can get a free student license from the university which allows you to install and use matlab on your own computer or laptop. Further informations on this student license are available here

"http://www.uni-due.de/zim/services/software/matlab_stud.shtml".

Matlab itself contains a very good documentation which can help you to get to know the programming language. But you may also get a short introduction in German on the homepage

"http://www.uni-due.de/numerik/vanis_teaching.html" (work in progress)

where you will also find the tutorial sheets as pdf files or use the online "Users Guide" on the mathworks homepage

"<http://mathworks.com/products/matlab>".

Note that the informations on the student license are given in German. Just ask your german fellow students for help if you have problems understanding it.

Octave is a freeware product and can be downloaded from the homepage

"www.octave.org",

where you can also find an online documentation.

When handing your programming exercises in please specify, whether you used matlab or octave to solve the exercises since there are some differences in the programming languages. For each programming exercise you have to **hand in a printout** of the program and the **source code** itself by E-Mail to "stefanie.vanis@uni-due.de". If there are further questions to answer in a programming exercise the answers have to be handed in on a separate paper as well.

The theoretical questions are not credited by points but there will be (*)-exercises in the tutorials for which you might get some points. If you have more than 50% of these points you get 5% of points in the written exam as extra points in the end, for 75% and more you get 10% and for 100% you may even get 12%. Only if you have more than 75% a failed exam may be turned into a passed exam by the extra points.

You may also hand in your solutions of the exercises which give no points to get them back corrected as the (*)-exercises.

Please don't forget to write **every exercise on a separate page**. Write **your name** and your student id-number on the first page and your name on **each page**. If you worked in collaboration with another student please name this student on your exercise as well.

You will have to sign up for the **written exam** at the end of the term at least one week before it takes place. The exact date for this deadline and all other informations on the written exam, i.e., date, time, and room, will be given on a tutorial sheet some weeks before in detail. You will only be allowed to participate in the second written exam shortly before the summer term if you have attended the first written exam at the end of this term.