The grade for PDE NSM 1 will be based on three combined numerical and theoretical tasks and an oral exam at the end of the class. Each task contributes equally to the final grade. There will be no written exam.

The theoretical part of the tasks will contribute to 1/3 of the interim grade, and the numerical part contributes to 2/3 of the interim grade. The mark of the oral examination is used to round off the interim mark with a maximum of plus or minus one in order to obtain the final mark.

The theoretical and numerical part of the tasks I & II, and the theoretical and (part of) numerical task III must be handed in before or at the due dates. Results handed in after the discussion in the class will not be accepted.

The theoretical parts should be done individually, the numerical parts should be done preferably in groups of at most two students.

After all tasks have been handed in the results will be discussed and questions about part of the theory will be asked in an oral exam. Be prepared to answer also questions about the tasks you made. All written material in the schedule will be part of the exam.

Onno Bokhove will be lecturing the course. Supervision hours will be posted on black-board when necessary.

Please, check the blackboard-site of this course regularly for updates.
• **Due dates.** Tasks I and II are due on Thursday 25-11-2010 and Tuesday 14-12-2009, respectively, at class hours and Task III on Thursday 18-01-2011 before 15:30 hours, respectively. The complete final numerical report is due at the end of any quarter but before the end of the summer of 2011. The appointment for the oral exam is made just before or when the numerical exercises are handed in. Please make an appointment with Onno Bokhove for the oral exam. Always hand in something for the theoretical exercises, since you can easily compensate lower marks for the theory with good numerical exercises.

• **Delays.** If the planning of the numerical part of this course is in conflict with other parts of your studies, please contact Onno Bokhove to discuss alternative time schedules. If you require this extra time, arrangements should be made well in advance but at least before summer 2011.

**Additional remarks:**

• The reports with the results of the tasks can be hand written.

• You are free to choose the programming language for the numerical exercises. The use of matlab is however strongly advised, but C, C++, Fortran, Fortran 90, and Pascal are also suitable, but generally require more work. Please, use something you are familiar with. This is not a class on software techniques, but on numerical methods.

**Instructors:**

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