Algorithmic Discrete Mathematics
- Information Sheet -

TECHNISCHE
UNIVERSITÄT
DARMSTADT

Department of Mathematics
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SS 2013
April 2013

1 Lecture

Day	Time	Room
Tuesday	13:30 - 15:10	S311/0012

The first lecture is on 16 April.
The course language is English.

2 Exercise

Day	Time	Room	Tutor
Thursday	14:25 - 16:05	S103/110	Jasmin Diehl
Thursday	14:25 - 16:05	S105/23	Antonia Eckhardt
Thursday	16:15 - 17:55	S105/24	Antonia Eckhardt
Thursday	16:15 - 17:55	S103/164	Christopher Brozek
Thursday	16:15 - 17:55	S103/175	Johannes Ball
Wednesday	8:00 - 9:40	S103/164	Jasmin Diehl

The exercise groups only take place every other week.
The first exercise is on 17, respectively 18 April.

You have to register for the exercise groups in TUCaN.

3 Website

All relevant information will be posted on the course website:

`https://www3.mathematik.tu-darmstadt.de/index.php?id=84&evsid=23&evsver=1019`

4 Lecture Notes

Handwritten notes will be made available in the Lernzentrum (though possibly with some delay).

5 Homework

The exercise sheets will be posted on our website by Tuesday afternoon in weeks with exercises.
Note that the exercise sheets will *not* be posted on TUCaN.
The homework has to be handed in in the exercise group. Since the course language is English, you also have to do your **homework in English**.
Solutions for group and homework problems will be made available on the course website.

6 Exam

The exam will (presumably) take place on

Wednesday, 31 July 2013, 10:30 – 11:30

There are *no prerequisites for admission*.

No material allowed! I.e., you may *not* bring any notes, books, etc. to the exam.

7 Bonus

A bonus of 0.3 or 0.4 grades will be granted to those who achieve at least 50% of the homework points.
Note: The bonus will not take effect if you do not pass the exam.

8 Literature

- M. Aigner, Discrete Mathematics, AMS 2007, (German translation: Diskrete Mathematik, 5. Auflage, Vieweg, 2003).

- J.M. Harris J.L. Hirst, M.J. Mossinghoff, Combinatorics and Graph Theory, 2nd edition, Springer 2008

- L. Lovasz, K. Vesztergombi, Discrete Mathematics, Springer (German translation: Diskete Mathematik, Springer), 2005

- T.H. Cormen, C.E. Leiserson, R.L. Rivest, C. Stein: Introduction to algorithms, 2. Editions, B&T, 2001.

- R. L. Graham, D. E. Knuth and O. Patashnik, Concrete Mathematics, Second edition, Addison-Wesley, Reading, MA, 1994.

- J. Matoušek, J. Nešetřil, Invitation to Discrete Mathematics, Springer (German translation: Diskrete Mathematik, Springer, 2002)