

Introductory Math Course for First-Semester Students of Physics as Main or Side Subject

In the time **October 4 through 13, 2017** (except Saturday and Sunday), an introductory course of mathematics will be offered for first-semester students of science disciplines (No. 14000 in the list of courses). The course discusses the mathematical tools of the **starting lectures in experimental physics including the hands-on training classes**. Thus, it is mainly recommended to students of physics, geocology, biology, and biochemistry as well as for future teachers. Its objective is to provide students with the mathematical background required for easy progress in the first semesters. The course will be given in German language. The following topics are addressed:

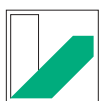
- Angles, coordinate systems
- vector analysis
- elementary functions
- complex numbers
- power series expansion of functions
- differential calculus
- integral calculus
- simple examples of ordinary differential equations

The course comprises lectures and problems classes. The lectures are given in the morning, **9:15 to 11:45 a. m.**, in **Autrum lecture hall H 13 (building NW I)**, the problems classes take place in the afternoon, **1 to 3 p. m.**, in smaller groups (allocation in the first lecture). Registration is not necessary. The tutorial for the course (available in English and German language) can be downloaded free of charge from

www.agkador.phy.uni-bayreuth.de/de/download/index.html

Printed copies (monochrome) can be purchased on the first days of the course at ca. € 4.00.

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