

# THE INTERNET-BASED PROJECT MADIN (MATHEMATICS EDUCATION ON THE WEB)

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The goal of the MaDiN project is the development of an Internet-based teaching and learning system for university teaching of mathematics teacher students. It is a joint project of four German universities (Nuernberg, Braunschweig, Muenster and Wuerzburg) are conducting the project in partnership, which runs from 2001 to 2004. It is funded by the German government. The system supports the



lecturer to prepare and give lessons for teacher students in mathematics education (didactics of arithmetic, geometry, algebra, calculus, stochastics, new technologies) and in elementary mathematics (arithmetic, geometry). It is used *in addition to* the lecture and *not instead of* the lecture: more specifically, the system consists of knowledge-based modules, which are designed for *the lecturer*, helping him/her to prepare and give the lecture and providing him with examples, problems, supplementary texts, pictures, videos, animations and constructions, and *for the student*, helping him/her to prepare and to repeat contents of the lecture, but also to study supplementary contents on his own. The starting point of a MaDiN-module is a “desktop”. Here is an overview of the contents integrated into the system.