# Module title

**Introduction to Hands-on Mathematics**

**Abbreviation**

10-M-PRM1-152-m01

## Module coordinator

Dean of Studies Mathematik (Mathematics)

## Module offered by

Institute of Mathematics

## ECTS

3

## Method of grading

(only after succ. compl. of module(s))

## Duration

1 semester

## Module level

undergraduate

## Other prerequisites

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## Contents

Elaboration of a school project on a topic in mathematics, e.g. for project days, school term papers (Facharbeiten), Pluskurse (additional courses for the in-depth study of areas of special interest), workshops. In the theoretical phase, the students formulate the subject-specific and didactic requirements of the topic, search for a suitable topic, elaborate this topic for the project and draw up a project plan. This is done in groups with students providing each other with advice as well as challenging and reflecting on each other’s work.

## Intended learning outcomes

The student is able to select a suitable mathematical topic for a school project and elaborate it.

## Courses

(type, number of weekly contact hours, language — if other than German)

S (2)

## Method of assessment

(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

Project (10 to 15 pages)

Assessment offered: Every two years, winter semester

## Allocation of places

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## Additional information

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## Referred to in LPO I (examination regulations for teaching-degree programmes)

§ 22 II Nr. 2 f

§ 22 II Nr. 3 f

## Module appears in

First state examination for the teaching degree Realschule Mathematics (2015)

First state examination for the teaching degree Gymnasium Mathematics (2015)

First state examination for the teaching degree Gymnasium Mathematics (2019)