# Module title

**Introduction to Projective Geometry**

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<th>Abbreviation</th>
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<td>10-M-PGE-152-m01</td>
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## Module coordinator

Dean of Studies Mathematik (Mathematics)

## Module offered by

Institute of Mathematics

## ECTS

9

## Method of grading

(only after successfully completed)

## Duration

1 semester

## Module level

Undergraduate

## Other prerequisites

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## Contents

Projective and affine planes, projective and affine spaces, theorem of Desargues, fundamental theorems for projective spaces, dualities and polarities of projective spaces.

## Intended learning outcomes

The student is acquainted with the fundamental concepts and methods of projective geometry. He/she is able to apply these methods to practical problems.

## Courses

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<tr>
<th>Type</th>
<th>Number of Weekly Contact Hours</th>
<th>Language</th>
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## Method of assessment

(a) written examination (approx. 90 to 180 minutes, usually chosen) or b) oral examination of one candidate each (15 to 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)

Assessment offered: In the semester in which the course is offered and in the subsequent semester

Language of assessment: German and/or English

## Allocation of places

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## Additional information

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## Referred to in LPO I

(examination regulations for teaching-degree programmes)

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## Module appears in

Bachelor’ degree (1 major) Mathematics (2015)

Bachelor’ degree (1 major) Computational Mathematics (2015)