## Module title

**Applied Mathematics and Medicine**

### Abbreviation

03-MaMed1-122-m01

### Module coordinator

Chair of Rudolf Virchow Center for Experimental Biomedicine

### Module offered by

Faculty of Medicine

### ECTS

10

### Method of grading

Numerical grade

### Only after succ. compl. of module(s)

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### Duration

1 semester

### Module level

Graduate

### Other prerequisites

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## Contents

Applications of mathematical modelling and analysis in medicine and, in particular, in genomics, proteomics, cellular modelling and quantitative image analysis.

## Intended learning outcomes

Students have acquired an insight into various application areas of applied mathematics in the life sciences.

## Courses

V + S (no information on SWS (weekly contact hours) and course language available)

### Method of assessment

Talk (approx. 60 to 120 minutes)

Language of assessment: German, 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

Master’s degree (1 major) Computational Mathematics (2012)