**Level**: bachelor  
**Course title**: Numerical Analysis (I162)  
**Status**: compulsory (I0), optional (I1)  
**ECTS**: 7  
**Requirements**: none  

### Learning objectives
Acquiring basic knowledge and skills in numerical mathematics. Development of the mathematical mind for precision, exactness and calculation, as well as work habits. Use of computers in numerical problem solving.

### Learning outcomes
Students will be able to apply simple numerical methods; develop skills to set up problems, implement and execute numerical algorithms, solve problems and interpret the solutions; be able to link the mathematical knowledge with computer science and other subjects; be able to use mathematical software.

### Syllabus

#### Theoretical instruction

#### Practical instruction
Exercises follow the lectures and are conducted with Mathematica.

### Weekly teaching load
<table>
<thead>
<tr>
<th>Lectures</th>
<th>Exercises</th>
<th>Other forms of teaching</th>
<th>Student research</th>
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<tbody>
<tr>
<td>3</td>
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