Study program: Modern computer technologies

Course title: Physics

Professor/assistant: Violeta Stojanović

Type of course: compulsory

ECTS credits: 6

Pre-requisites: none

Aims of the course:
Introduce students to the major physical phenomena and laws, major methods of scientific opinion, and help them to form the scientific view of the world and advancement of modern technology.

Learning outcomes:
After taking the exam, students are trained to understand correctly the laws, principles and categories which enable the proper way of scientific research and better definition of physical reality.

Syllabus
Theoretical part

Practical part:
Computational exercises. Laboratory exercises.

Literature

Number of active classes
Lectures: 30  Practical classes: 30  Research work:

Other forms of teaching:

Teaching methods
Combination of interactive approach with practical problem solving.

Grading system (maximum 100 points), grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.

<table>
<thead>
<tr>
<th>Pre-exam obligations</th>
<th>points</th>
<th>Final exam</th>
<th>points</th>
</tr>
</thead>
<tbody>
<tr>
<td>activity during theoretical lectures</td>
<td>10</td>
<td>written exam</td>
<td>40</td>
</tr>
<tr>
<td>practical training</td>
<td>20</td>
<td>oral exam</td>
<td></td>
</tr>
<tr>
<td>colloquium(s)/seminar papers</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sum</td>
<td>60</td>
<td>Sum</td>
<td>40</td>
</tr>
</tbody>
</table>