Course Title (in English) | Computational Materials Science Seminar  
Course Title (in Russian) | Семинар "Вычислительное материаловедение"  
Lead Instructor(s) | Oganov, Artem  
| Shapeev, Alexander  
| Tretiak, Sergei  
| Zhugayevych, Andriy  

Status of this Syllabus | The syllabus is a final draft waiting for form approval  
Contact Person | Dmitry Aksenov  
Contact Person's E-mail | d.aksenov@skoltech.ru

1. Annotation

Course Description | This is the main research seminar at Skoltech for Computational Materials scientists. All students of Computational Materials Science subtrack of Materials Science MSc program should attend this seminar. Topics include materials modeling (at atomistic scale), theoretical and computational chemistry, theoretical and computational physics of materials, underlying mathematical methods and algorithms etc. Invited lectures are top scientists in their research field.  
Please see the seminar webpage at https://www.skoltech.ru/en/cms/

2. Structure and Content

Course Academic Level | Master-level course suitable for PhD students  
Number of ECTS credits | 3

3. Assignments

4. Grading

Type of Assessment | Pass/Fail
Grade Structure

<table>
<thead>
<tr>
<th>Activity Type</th>
<th>Activity weight, %</th>
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<tbody>
<tr>
<td>Attendance</td>
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</table>

Grading Scale

5. Basic Information

Attendance Requirements: Optional

Course Stream: Science, Technology and Engineering (STE)

Course Delivery Frequency: Every year

Students of Which Programs do You Recommend to Consider this Course as an Elective?

<table>
<thead>
<tr>
<th>Masters Programs</th>
<th>PhD Programs</th>
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</thead>
<tbody>
<tr>
<td>Computational Science and Engineering</td>
<td>Materials Science and Engineering</td>
</tr>
<tr>
<td>Materials Science</td>
<td></td>
</tr>
<tr>
<td>Mathematical and Theoretical Physics</td>
<td></td>
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</tbody>
</table>

Course Tags: Math, Physics, Programming, Engineering, Materials

6. Textbooks and Internet Resources

7. Facilities

8. Learning Outcomes

Do you want to specify outcomes in another framework? Knowledge-Skill-Experience is good enough

9. Assessment Criteria

10. Additional Notes