Applied Physics

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Course Description

➢ This course is basically the “overview of physics” comprises three fields of it:

1. **Mechanics:** Main foundational pillars of physics. 75% of physics knowledge is based on it.
2. **Waves & Oscillations:** Helps to understand the phenomenon of light that helps us to understand the theory of electromagnetism.
3. **Electricity & Magnetism:** Responsible to lead us into *modern* perspective of physics.

➢ Fun with “physics” through Mathematica.
Means of Communications

• My email addresses:
  • junaidsaifkhan@gmail.com (Primary)
  • junaid.khan@lhr.nu.edu.pk (Secondary)
• I’ll make a group of your class on Gmail to communicate with you.
• All communications will be ONLY via an email.
• Course Website (Primary):
  • https://junaidsaifkhan.com/applied-physics-fall-2020/
  • All assessments (quizzes, assignments, and exams) along with its solutions (obviously after the due date) will be uploaded on this website.
• Google Classroom (Secondary): Inform you later about this.
## Assessments

<table>
<thead>
<tr>
<th>Tools</th>
<th>Weightage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quizzes (Official): 3</strong></td>
<td>10%</td>
</tr>
<tr>
<td>Note: 3rd quiz will be conducted on “honor code”</td>
<td></td>
</tr>
<tr>
<td><strong>Assignments (3)</strong></td>
<td>10%</td>
</tr>
<tr>
<td><strong>Midterms (I+II)</strong></td>
<td>15+15=30%</td>
</tr>
<tr>
<td><strong>Final Exam</strong></td>
<td>50%</td>
</tr>
</tbody>
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### Points to Remember:
- You may have to secure at least 50% marks to pass the course.
- No assignment would be accepted after the due date and time.
- Quizzes will be conducted in the class timings; sometimes at the beginning and sometimes at the end of the lecture.
- Any missed assessment due to some emergency, let’s contact to Mr. Furqan (furqan.ashraf@nu.edu.pk) or visit his office located at S&H academic office (in the civil engineering block).
Grading Scheme

- **Absolute grading** this semester. Find the thresholds in the “course outline” (already uploaded on course website).
- **Previous Grading Results:**
Office Hours & Attendance Policy

• I’m not having office hours for now, but you can ask me any question before or after the class.

• Zero tolerance policy regarding the attendance issue from my side. Please make yourself informed about the policy.
Any Questions or Suggestions?