Welcome to PHYS-131 Physics-I
TARIQ H. GILANI

PROFESSOR
MILLERSVILLE UNIV.

ASSISTANT PROF (2002).

PENN STATE UNIVERSITY
STATE COLLEGE, PA (2000) ----- POST DOC.

JOHN CARROLL UNIVERSITY
CLEVELAND, OH (2001) ----- VISITING ASS. PROF.

PhD ---- KYOTO UNIVERSITY, JAPAN (1997).

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Lab: All labs will be online.

A scientific **calculator or use of Microsoft Excel.**

**Reference Books:**

Purpose
It is an introductory algebra-based course.
To become familiar with basic ideas of physics – Mechanics, Heat, Energy, Waves and Sound. The primary focus will be on concepts

Class

• Lectures for one complete week will be posted on webpage in the beginning of each week.
• Problems will be assigned for practice in each lecture and their solutions will be posted in Recitation. Students must practice those problems before seeking the solution.
• Zoom meetings will be called every Tuesday, Wednesday at 2 PM and Thursday at 9 AM. Students are expected to ask questions, problems, etc. during these meetings. Please contact me if you need to schedule meeting at other time.
• There will be four Exam in total
• All the lectures will be posted on

http://sites.millersville.edu/tgilani under Course Listing

Each Lab must be satisfactorily completed to pass this course
There will be Four in-class exams during the semester (Each Friday). In addition to the exams, laboratory grades will be considered. Each of these counts towards your final grade as follows:

Exams (including Final)  80%
Labs:                   20%

Each Lab must be satisfactorily completed to pass this course
Assignments
All assignments will be online (If there is any)

Labs  You must complete all lab work.

Missed Work
If you miss a lab or exam for any reason, you must contact your instructor as soon as possible for arrangement.
# Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum Score</th>
<th>Maximum Score</th>
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<tbody>
<tr>
<td>A</td>
<td>93-100%</td>
<td>77-79.9%</td>
</tr>
<tr>
<td>A-</td>
<td>90-92.9%</td>
<td>70-76.9%</td>
</tr>
<tr>
<td>B+</td>
<td>87-89.9%</td>
<td>60-69.9%</td>
</tr>
<tr>
<td>B</td>
<td>83-86.9%</td>
<td>55-59.9%</td>
</tr>
<tr>
<td>B-</td>
<td>80-82.9%</td>
<td>50-54.9%</td>
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<td>&lt;50%</td>
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<tr>
<td>F</td>
<td>&lt;50%</td>
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The minimum score for any grade may be lowered based on the difficulty of quiz or examination questions.
Syllabus and Other Information

http://sites.millersville.edu/tgilani

On right side click on

Course Listing

Then look information under your course

Note: The webpage will be regularly updated
What is PHYS 131?

Physics

Mechanics

Heat and Energy

Waves and Sound
What is Physics?

Physics --- Study of basic nature of matter and the interactions that govern the behavior

• **Observing and understanding the Physical world** ----- Physics is most basic of all sciences.
• It predicts “how nature will behave in particular situation on the basis of experiments.


- Space Science
- Transportation Industry
- Electronics and Computer Science
- Medical Equipments

Physics tells us the rules of the universe.

In Physics

• How to see the world?
• Use reasoning
• Apply the Physical Principles

To enjoy more!!