

# University Physics I Recitation

## PHYS 251R (1 Credit)

Instructor:	Morgan O'Brien	Course Id:	12810
Email:	morgan.obrien@ndsuh.edu	Room:	South Engineering, Rm 216
Office:	Minard 406L	Time:	Th 11:00-12:15am
Office Hours:	Tu 2-3pm, We 2-4pm or by appointment	Semester:	Spring 2022

### Course Description:

A recitation that complements PHYS 251 with theory and applications

### Course Objectives:

In this course, students work in small groups on worksheets that emphasize the main concepts in the course. Worksheets are based on *Tutorials in Introductory Physics* by McDermott, Shaffer, and the Physics Education Group. The emphasis in the tutorials is not on solving the standard quantitative problems, but on the development of important physical concepts and scientific reasoning skills. Tutorial instructor does not lecture but asks questions designed to help students find their own answers. Students are expected to construct answers for themselves through discussions with classmates and the tutorial instructor.

### Co-requisites:

PHYS 251

### Grading Procedures:

Grading will be based on the following:

Attendance and In-Class Participation	40%	A	90% - 100%
Worksheets	30%	B	80% - 90%
Homework	30%	C	70% - 80%
		D	60% - 70%
		P	$\geq 60\%$
		F	0%-59%

The in-class worksheets will be due on Fridays by 11:59pm by either through submitting it online on Blackboard or by submitting a physical copy to my mailbox in Minard Hall 408. The Homework assignments will be due at the beginning of the next session through either the Blackboard page or submitting a physical copy in class.

### Textbook:

Materials will be provided in-class. No textbook is required.

### Expectations:

- Attend class and participate in the discussions.
- Check Blackboard for updates on a regular basis.

- There will be **no makeups for missed exams or late homework** except for in the most exceptional circumstances. **Makeup exams require prior approval of the instructor** (unless impossible, in which case a written excuse will be required and its validity will be examined). Even when approved, late work may not be graded until after the end of the semester and may result in an “incomplete” grade for the course. Makeup exams tend to be more difficult, though this is not a deliberate policy. You are expected to **arrange your personal and work schedule to allow you to take exams at the scheduled time**. Students who have a **University approved activity** that conflicts with class should make prior arrangements to participate in any graded activities that they miss.
- Cheating will not be tolerated in this course, specifically during any exams. Please see the Academic Honesty Policy below.

### **Tips for Success:**

- Do a lot of practice problems. Then do more practice problems.
- Ask questions during lecture and be an active participant in all class activities.
- Come to my office hours or email me when you have questions.
- Try your best not to procrastinate.
- Utilize your resources - Read your textbook, talk to your fellow classmates, go to the ACE Tutoring Center, etc.

### **Attendance:**

According to NDSU Policy 33 ([www.ndsu.edu/fileadmin/policy/333.pdf](http://www.ndsu.edu/fileadmin/policy/333.pdf)), attendance in classes is expected.

### **Mask requirement:**

Currently (as of August 9, 2021), NDSU is strongly recommending that all people wear masks in indoor spaces when social distancing cannot be maintained. Further, masks are required in all classroom settings whether such classes are credit, non-credit, training sessions, etc. In case of any changes, you will be notified and this syllabus will be updated. Consistent with NDSU’s recommendations, **in this class all participants, including those who are fully vaccinated, are required to wear a face covering**. If you fail to properly wear a face covering, you will not be admitted to the classroom. Given the changing conditions associated with the pandemic, this class’ faculty member has reserved the right to modify the mask status of the class during the semester. The following will be used as needed: referral to Dean of Students Office or administrative removal from class.

- Students who cannot wear a face covering due to a medical condition or disability, or who are unable to remove a mask without assistance may seek an accommodation through the Disability Services (701)-231-8463; <https://www.ndsu.edu/disabilityservices/>.

- In accordance with NDSU Policy 601, failure to comply with instructions, including the mask requirement, may be handled according to the Code of Student Conduct resolution process and may result in disciplinary sanctions.

**Disabilities Act Statement:**

Any students with disabilities or other special needs, who need special accommodations in this course are invited to share these concerns or requests with the instructor and contact the Disability Services Office as soon as possible.

**Veterans and Service Members:**

Veterans and student service members with special circumstances or who are activated are encouraged to notify the instructor as soon as possible and are encouraged to provide Activation Orders.

**Academic Honesty**

The academic community is operated on the basis of honesty, integrity, and fair play. NDSU Policy 335: Code of Academic Responsibility and Conduct applies to cases in which cheating, plagiarism, or other academic misconduct have occurred in an instructional context. Students found guilty of academic misconduct are subject to penalties, up to and possibly including suspension and/or expulsion. Student academic misconduct records are maintained by the Office of Registration and Records. Informational resources about academic honesty for students and instructional staff members can be found at [www.ndsu.edu/academichonesty](http://www.ndsu.edu/academichonesty).