Physics 252R UNIVERSITY PHYSICS II RECITATION Fall 2021

This syllabus was last updated on **August 24, 2021**

Instructor
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Description
A recitation that complements PHYS 252 with theory and applications.

Objectives
In this recitation, students work individually and in small groups on worksheets and exercises that emphasize the main concepts of Physics 252. 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 may lecture some, but also will ask questions designed to help students find their own answers. Students are expected to construct answers for themselves through discussion.

Prerequisites
Physics 251, **Corequesite** Physics 252.

Website
BlackBoard will have some postings.

Meetings
Thursday 11:00-12:15 in *S. Eng. Rm. 216*. Please check your email to see the latest updates.

Office hours
By arrangement. Send me an email and we can set up either an in-person or digital meeting.

Textbook
Materials will be provided in-class. Bring a device (if you have one) to use Kahoot on.

Format
The class will involve interactive problem solving with in-class and sometimes home-sent problem worksheets. There will be interactive in-class activities.

How to succeed
Attending recitation, taking part in recitation activities and discussions, and doing homework (and additional) problems are keys to success. Each student is encouraged to contact the instructor with any concerns, questions, and suggestions.

Grading
Grading will be based on engagement during in-class discussions (~40%), in-class worksheets (~30%), and homework (~30%). The percentage will be calculated and used to grade according to: A 90.0% -100%, B 80.0% - 90.0%, C 70.0% - 80.0%, D 60.0% - 70.0%, F 0% - 60.0%.

Health and Safety
Refer to NDSU guidance on face coverings, physical distancing, and sanitation. NDSU requires students to properly wear face coverings in classrooms. If you fail to properly wear a face covering, you will not be admitted to the classroom. As such, please refrain from bringing food or drink to the class. In this course students should participate in the course mostly face-to-face. When needed, students are also able to participate virtually in synchronous discussions and activities and submit assignments virtually. Please **do not** come to class if you are sick. Send me an email as soon as possible and I will work with you to help participate in class remotely.

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