

**Syllabus**  
**Phys 251R, Spring 2017**  
**1 credit**

**Instructors:** Cody Gette  
Office: Physics South Eng. 318A  
Office Phone: 701-230-5866  
e-mail: [cody.gette@ndsu.edu](mailto:cody.gette@ndsu.edu)

**Class Hours:** Thursday 11:00-12:15, South Eng., room 216

**Course Description**

In the 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.

**Prerequisites:** Phys 251

**Office Hours:** by arrangement

**Homework:** Homework associated with each tutorial reinforces and extends the material covered in the worksheets.

**Textbook:**

Handouts from McDermott, Shaffer, and the Physics Education Group, *Tutorials in Introductory Physics* (First Edition), Prentice Hall, Inc., 2002 will be provided in class.

**Grading information**

Final grade in physics 251R will be determined basis on student performance in class and on HW assignments, which typically are closely based on the material covered in class.

Tutorial-based HW: 80% total

Participation: 20% total

**Letter Grading:**

84.5 to 100% = A

74.5 to 84.4% = B

64.5 to 74.4% = C

55.5 to 64.4% = D

**Special Considerations**

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 as soon as possible. Extra time on exams must be requested by formal letter from the NDSU

department of disability services and administered through that department. Veterans and student soldiers with special circumstances or who are activated are encouraged to notify the instructor in advance.

### ***Academic Responsibility***

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).