

Northern Illinois University

Course Syllabus for Physics 300 --- Introductory Mechanics

Fall Semester, 2015

Instructor: Dennis Eugene Brown Faraday West 208W and/or 213W
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Office Hours: MWF 10am – 12noon tel: 630-910-5512

Course Textbook: Classical Mechanics **Author:** John R. Taylor

We will be covering the following material in Taylor: (Tentative Schedule)

Vectors and Kinematics: Chapter 1
Newton's Laws Chapter 2
Quiz #1
Momentum: Chapter 3
Energy: Chapter 4
Quiz #2
Oscillations: Chapter 5
Gravitation: Chapter 8
Quiz #3
Noninertial Frames: Chapter 9
Rigid Body Motion: Chapter 10
Coupled Oscillations Chapter 11
Final Exam (Mon. December 7, 2-3:50 p.m.)

Problem Sets will be posted on www.niu.edu/brown every week, and they will be due one week later at the beginning of the class (**not at the end of class**). Late homework will be penalized 10% per day (however, Problem Sets # 3, 6, 9—the problem sets just before quizzes—and the final problem set will not be accepted late).

All quizzes and exams are open book but no notes. Graphics Calculators and Cell Phones will not be allowed, only scientific calculators can be used

Tentatively: All Problems Sets will make up 25% of the **course** grade
Each quiz “ “ 15% ” ”
Final Exam “ “ 30% “ “

The lowest scoring Problem Set will not be counted towards the final grade.

There are Physics Tutors available in Faraday East Room 251