

Course Syllabus

Physics 135-1: Mechanics (Summer 2007)

Instructor: Dr. Bart Willems
Office: Dearborn Observatory, 2nd Floor, #21
Phone: (847) 467-3017
E-mail: b-willems@northwestern.edu

Location and hours: Tech L221, MTWThF 9am - 12noon

Text: Physics for Engineers and Scientists, Extended Edition
3rd edition by Ohanian & Markert

Prerequisites: Differential and integral calculus

Grading: Lab (20%), Quizzes (20%), Midterm (20%), Final (40%)

Date	Lecture Topic
Mo 6/18	Introduction Kinematics 1-D
Tu 6/19	Vectors Kinematics 2-D
We 6/20	Newton's Laws Applications of Newton's Laws
Th 6/21	Friction Circular Motion
Fr 6/22	Work Energy
Mo 6/25	Conservation of Energy Review (if time permits)
Tu 6/26	Midterm: 9–10am Gravitation
We 6/27	Momentum Center of mass
Th 6/28	Collisions Rotation
Fr 6/29	Rolling motion Torque
Mo 7/2	Statics Equilibrium
Tu 7/3	Oscillations Review (if time permits)
We 7/4	Holiday – No lecture
Th 7/5	Final Exam: 9–11 am
