

# PHYSICS

SCI 321/322•

Mr. Rob Hamann

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Availability: 7:00-7:15, 12:00-1:30, 2:30-3:25

## Course description

Physics is designed as a practical and conceptual approach to the study of sound, light, motion, forces, energy, heat, electricity, magnetism, and atomic and nuclear interactions. The focus is on critical thinking rather than algebraic problem solving. A practical laboratory approach is used, and data manipulation is kept to a minimum. A graphing calculator is required.

## Credit weight

[Link to published core curriculum map\\*](#)

College Prep

## Priority Standards\*

Asking questions and defining problems	Using mathematical and computational thinking
Developing and using models	Constructing explanations and designing solutions
Planning and carrying out investigations	Engaging in argument from evidence
Analyzing and interpreting data	Obtaining, evaluating and communicating information

## Grading

Categories* (Common for all instructors of this course)	Category Percent Weights* (Common for all instructors of this course)
Unit Assessments (Common for all instructors of this course)	55 %
Labs	35 %
Homework	10 %

## Labs

1. The instructor reserves the right to assign lab groups.
2. Each individual in the group is responsible for his or her own lab report.
3. Lab reports are to be finished two class periods after the lab was completed in class.
4. Data can be shared within the group but every other part of the report must be unique to each individual.

## Homework

The 10% homework grade will be taken from your performance on WebAssign, our online practice problem program. You will receive an account paid for you by the school. All other practice problem sets are to be completed but will not be given points toward your homework grade. Also, several incentives will be given to make sure that students continue to complete their assignments.

**Leyden High School D212 Common Grading Scale: 90 - 100 A; 80-89 B; 70 - 79 C; 60 - 69 D; Below 60- F**