

Dual Credit Physics

Mr. Loftis

Offered for Dual Credit with NE Community College (5 hours)

Graduation Requirements: Fulfills one year of science requirement

Course Description:

Physics is a science that searches for consistencies (laws) in the natural world. Its objective is to explain why everything happens. The language of physics is mathematics. Therefore students will be expected to express the laws of physics in mathematical terms and to be able to apply those laws to real world problems. Students will also conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving.

Course Grades:

- 50% Exams
- 25% Daily work and class participation
- 25% Lab work and quizzes

(This grading scheme assumes a minimum of 3 major exams per quarter. The teacher reserves the right to make minor adjustments during the quarter if necessary.)

Class Rules:

- The basic class rule is that all class time will be used for the study of physics.
- No student shall interfere either their fellow student's ability to study physics or with the teacher's presentation of material.
- During lab work all safety rules will be followed.
- All school rules will be followed as stated in the student handbook.

Supplies:

- At home – ruler and protractor for homework.
- Recommended: Scientific calculator with exponents and trig functions
- Recommended: 3 ring binder to collect worksheets and exams