



Physics Academic & Discipline Plan

PROUD to be Crimson Bears; preparing lifelong learners in a challenging and inclusive environment. Personalized, Resilient, Optimistic, Unified, Diverse.

Instructor	Ben Collman	E-mail	Benjamin.collman@juneauschools.org
Room	Marie Drake Engineering Lab (rm. 252)		
Office Hours	Enrichments (10:35 - 11:05 W, Th) and by arrangement with instructor – typically lunch and before or after school		

Course Description:

This course is intended for students who want to study physics as part of their general education, or who intend to pursue the sciences (or science-related fields such as engineering or pre-med, etc.) in college. Students will perform many experiments in which they gather data that they will then analyze and organize into meaningful concepts. Students will apply their understanding of physics concepts and skills in mathematics to the solution of physics problems. Prerequisites to the class include physical science and Algebra II.

Text(s):

Physics, 6th Ed., Giancoli.

Homework will usually be assigned with problems selected from the University of Texas Homework Service website (<https://quest.cns.utexas.edu/student>).

Materials to Bring to Class:

Pencil, paper, lab notebook, scientific calculator, flash drive and any assigned materials.

Proper Heading for Papers:

Name, date, identity of assignment.

Grading:

The following weights shall be used to earn a grade:

Tests: 60%

Homework 20%

Laboratory 20%

There will occasionally be the opportunity to earn extra credit through self-motivated extra credit work.

Late/Make-up Work Policy and Procedures:

Students are expected to find out what work was missed during any absences, and to make it up promptly. Students should consult with other students and the instructor to make sure that they are up-to-date following any absences. Students should not expect to receive full credit for work missed due to unexcused absences.

Resources/Extra Help:

Students are encouraged to see the instructor for extra help as needed outside of class. If students desire additional resources, I can provide links to free online textbooks and websites, such as <http://www.physicsclassroom.com/>.

Behavioral Expectations:

Come to class every day and be on time. Be respectful, courteous, and helpful to your classmates. Maintain an atmosphere in which the focus of the class is on learning physics. Each day leave the room clean and ready for the next class. Help conserve resources (and limit the size of Juneau's newest mountain) by placing aluminum cans, white paper, and plastic drink bottles in the appropriate recycling container.