Written Assignments

During each two-hour laboratory session, the World of Energy instructors will explain physics concepts, present demonstrations, and introduce hands-on activities to illustrate these concepts. To help organize, understand, and remember the information from the demonstrations and class activities, students complete and turn in activity sheets during each class. Students must be present for the full class period to receive credit for an activity sheet unless excused by the instructor.

Each textbook chapter ends with Exercises and Review Questions. Two of the Exercise questions are assigned as written homework. At the beginning of each class period, students turn in answers to the two selected Exercise questions. The course syllabus lists the questions assigned for each period and their due date.

Students attend a weekly one-hour lecture. At most lectures, you will see a video discussing energy use. These videos explain physics principles and help relate these principles to the role of energy in everyday life. Students write and turn in a one-page summary of each video. A list of questions for each lecture video is included in Part II of the course Activity Book. These questions help students take notes during the video and identify important concepts in the videos. Answers to these video questions are not handed in.

Examinations

The course examinations consist of two midterms of 30 questions each and a comprehensive final examination of 45 questions. All exam questions are multiple choice. Midterm exams are given during the lecture hour. During two weeks of the quarter, instead of viewing a lecture video, students will take a midterm exam. The dates of the examinations are given in the course syllabus. No make-up examinations will be given.

Students may use calculators during exams, but may not program them or use their graphing capabilities. Exams include a sheet with useful equations and constants. Equation sheets are provided because the World of Energy emphasizes understanding concepts, rather than memorizing equations and constants. However, it is essential that students understand the meaning of the equations, their symbols, and their units.

The Physics 103 and 104 Activity Books contain practice exams with equation sheets and a key of the correct answers to the sample exams. The textbook provides help in understanding equations and solving problems in the Skills and Strategies and Concept Check solutions.

Summary of Course Grading

Activity sheets: 18 @ 1 point per sheet	18 points
Homework Exercises: 18 @ ½ point per assignment	9
Lecture video summaries: 8 @ 1 point per summary	8
2 Midterm exams @ 30 points per exam	60
Final exam: 45 points	45
Total points	140