



SYLLABUS

PHYS 1025/70653
Fundamentals of Physics

Summer 2015

Instructor's Name: Kay DiNova
Telephone Number: 813-253-7362
Email Address: kdinova2@hccfl.edu
Office Hours: By Appointment
Class Schedule: TTH 9:30-11:35

Course Description: This course is an introduction to Physics. It emphasizes the fundamental concepts of physics with a minimal amount of math. Topics include motion, heat, sound, and electricity

Course Intended Outcomes: The student will be able to explain the fundamental concepts of

1. Measurement and Dimensions
2. Linear and non-linear motion
3. Newton's laws of motion
4. Work, energy and power
5. Rotational motion and centripetal force
6. Temperature, heat and the laws of thermodynamics
7. Wave motion including light and sound
8. Electricity and simple circuits

Text Book:

Required: Conceptual Physics, Paul G. Hewitt, 12th Edition

Grading System: Grades are earned based upon student performance on all assignments. Assignments include in class quizzes, Four Tests and the Final exam.

A: 90-100 B: 80-89 C: 70-79 D: 60-69 F: 59 or below

Assignment weights

In class quizzes: 20% (Lowest quiz will be dropped)

Tests: 60% (Lowest of four tests will be dropped)

Final exam: 20% (mandatory exam)

In class quizzes are unannounced. Content will be based primarily upon classroom discussions and lectures, but may also contain content from the textbook. Quizzes will include multiple choice and short answer questions. The quizzes will be given at the beginning of the class hour. Students who miss class or who arrive late will not be given an opportunity to make up the quiz and will be given a grade of zero for the quiz, therefore students are strongly encourage to attend all scheduled classes and to arrive to class on time. At a minimum, one quiz grade will be dropped. If 8 or more quizzes are given, the second lowest quiz grades will also be dropped. The average of your quiz grades (not including the dropped quizzes) will account for 20% of your final grade (the equivalent of one test). The blackboard grade book is currently set up to show 8 quizzes, but the number of quizzes may vary at the professor's discretion.

Four tests: Tests will consist of multiple choice and short answer/simple calculation questions. Students must fully explain all short answer questions or show work for simple calculations. The lowest of the four test grades will be dropped. The three exams will account for 20% each or 60% total for the course.

The Final exam is Mandatory and will account for 20% of your grade.

Academic Dishonesty Policy: Students are expected to do all their own work. Cheating will not be tolerated. Any student caught cheating will be given a grade of zero on the assignment and or an F in the course.

Attendance Policy: Students are expected to attend all classes. Students who must miss class for Military duty, jury duty or other excused absences must provide advance notice to the instructor. Quizzes and Tests scheduled for the absence must be taken in advance of the absence. All other missed assignments will be counted as the dropped grade. You are an adult and are expected to attend classes, and complete all work on time. If you must miss a class, it is your responsibility to obtain any class notes from other classmates.

Instructional Methods: This class will consist of a combination of lectures, discussions, demonstrations and videos. All tests and quizzes will be taken in class.

Request for Accommodations:

If, to participate in this course, you require an accommodation due to a physical or learning impairment, you must contact the Office of Services to Students with Disabilities. The office is located in DSTU 204. You may also reach the office by telephone at (813)259-6063 (voice line).

Course Outline:

Chapters 1, 2, 3 Exam 1

Chapters 4, 5, 6, 7 Exam 2

Chapters 8, 9 10 Exam 3

Chapters 15, 16, 17, 19, 20, Exam 4

Chapters 22 and 23 (Final Exam is cumulative)

Upcoming dates to take note of:

May 18th first day of class

May 25th No class –HCC holiday

July 23rd Last day of class Final Exam

Tentative Class schedule

Class Meeting	Day	Date	Chapter/Test
1	T	May 19	Introduction and Chapter 1
2	TH	May 21	Chap 2 and 3
3	T	May 26	Chap 3 Test Review
4	TH	May 28	Test 1 Chapters 1-3
5	T	Jun 02	Chap 4-5
6	TH	Jun 04	Chap 6-7
7	T	Jun 09	Test Review
8	TH	Jun 11	Test 2 Chaps 4-7
9	T	Jun 16	Chap 8-9
10	TH	Jun 18	Chap 9 -10
11	T	Jun 23	Test Review
12	TH	Jun 25	Test 3 Chap 8-10
13	T	Jun 30	Chap 15-16 - 17
14	TH	Jul 2	Chap 19-20
15	T	Jul 7	Test Review
16	TH	Jul 9	Test 4 Chap 15, 16, 17, 19, 20
17	T	Jul 14	Chap 22
18	TH	Jul 16	Chap 23
19	T	Jul 21	Final Review
20	TH	Jul 23	Final Exam Cumulative

Chapter sequence is subject to change.

Note test review lectures may include chapter material lectures as needed.

Chapters listed are intended to guide your study and class preparation.