

Physics 2326 (84483) Spring 2014

Northwest College

Instructor: Ata Zamani

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Time and Room: Tuesday and Thursday, (2:00 – 4:00) pm, Alief-Hayes Room B219.

Prerequisites: Completion of the first semester of calculus and Physics 2325.

Course Text: *Fundamentals of Physics*, Halliday and Resnick (9th Edition), by Jearl Walker, John Wiley & Sons. ISBN: 978-0-470-46908-8.

Students should purchase a scientific calculator.

Course Content: Chapters 17 thru 32.

Last Day for Administrative/student Withdrawals is March 31, at 4:30 pm.

Exam Schedule and content – subject to change.

Exam 1	Ch. 17,18,19,20	20 %
Exam 2	Ch. 21,22,23,24	20 %
Exam 3	Ch. 25,26,27,28	20 %
Final Exam	Ch. 29,30,31,32	20 %

Grade Calculation

Four exams	80 %
Homework	10 %
Quizzes and Participation	10 %

Grading Scale – 100-90 = A, 89-80 = B, 79-70 = C, 69-60 = D, <60 = F

The final grade is based on accumulated scores from home work, tests, and the final exam, and it is based on attendance. The weighting factors and the grading scale are applied to determine the class-room grade. This grade then becomes the final grade providing that the attendance grade is at least as high. If not, the class-room grade is dropped by one letter to become the final grade. Class attendance is checked daily by the instructor. At the end of the semester, an attendance percentage is determined, and the grading scale is applied to determine the final attendance grade. This grade is then used as specified above to determine the final grade.

Students are responsible for materials covered during their absences, and it is the student's responsibility to consult with instructors for make-up assignments.

Attendance – Students are expected to attend all classes. Texas state guidelines and HCCS policies require that student with more than **12% absences** be withdrawn from the class. Effectively, students are subject to withdrawal when 3 classes are missed in the summer sessions and 4 classes in the regular semester.

Three late arrivals or three early leavings will count as one absence. Attending class and paying attention is the key to a good grade. Stay current in your studies – be prepared for lectures.

Class participation will be monitored and often adds to the course. Please do not hesitate to contact me if you are struggling with the class.

Important: The state of Texas has begun to limit the money it will contribute to a student's education. The state contributes only to the first 2 times a student registers for a course. Students are charged additional fees for subsequent registrations.

Americans With Disabilities Act (ADA): Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at their college at the beginning of each semester. Faculty members are authorized to provide only the accommodations requested by the Disability Support Services Office.

Credit: 3 credit hrs. (Lecture).

TASP Requirements: All students are expected to have taken the TASP exam before registration. Contact any counselor for information. Based upon HCCS policy, students can be administratively withdrawn if they have not taken the TASP exam.

Attendance/Tardy Withdrawal: I strongly discourage coming late to class. You miss important information when you are tardy. It is extremely difficult to understand a lesson when you catch it midway, not knowing how it began. You cannot make up time lost from a test due to tardiness.

Assessment/Make-up: There are assigned homework problems after every section discussed in class. There is no make-up for a missed Exam. Before each class session begins, I will address your questions on the homework.

There are four (4) major tests at specified dates in the course timeline. These dates are given in advance so that you can prepare upfront.

Exams: All exams will be closed book. Exams will be "shown all of your work" and will include problems similar to homework problems, text example problems and concepts as discussed in class. **You must show all of your work, no work, no credit, even if you state the correct answer.** You will require buying about 10 scantron sheets from your local bookstore (Form No.882-ES) for all exams and homework assignments during the course.

Make up exams are not administered.

Academic Responsibility: It is the student responsibility to be aware of HCCS attendance, conduct, and academic conduct requirements. It is the student's responsibility to withdraw from the course by the appropriate date as listed in the schedule. Please read the Student's Handbook. Any students using unauthorized material on a test or lab report, is subject to administrative withdrawal from the course and/or a grade of zero for the respective test or report. Other disciplinary action may be taken as appropriate. Should the student have any grievance or problem dealing with any aspect of the course, please talk with your instructor, **outside of class**.

Homework: Homework will be collected when indicated by the instructor. Homework is to be submitted in a college-ruled notebook (Mead Composition 09932 or quadrille 09926) devoted exclusively to homework problems. No loose page homework assignments will be accepted. The homework assignments will be from problems at the end of every chapter in the textbook.

Official Withdrawal: Students remaining and participating in the class after the official withdrawal date will receive a grade. It is the responsibility of students to withdraw themselves.

Instructor may withdraw students with excessive absences.

CELLULAR PHONES OR OTHER SIMILAR DEVICES SHOULD BE IN THE OFF OR VIBRATION MODE DURING THE CLASS SESSIONS. THERE WILL BE BREAKS 10 MINUTES BEFORE THE HOUR EVERY HOUR. NO OTHER BREAKS ARE ALLOWED.

HCCS Physics 2326 Spring 2014

Tentative Schedule

<u>Week</u>	<u>Day</u>	<u>Date</u>	<u>Chapter</u>
1	T	1/14	17
	TH	1/16	18
2	T	1/21	19
	TH	1/23	19
3	T	1/28	20
	TH	1/30	20
4	T	2/4	Exam 1 (17,18,19,20)
	TH	2/6	21
5	T	2/11	22
	TH	2/13	22
6	T	2/18	23
	TH	2/20	23
7	T	2/25	24
	TH	2/27	24
8	T	3/4	Exam 2 (21,22,23,24)
	TH	3/6	25
9	T	3/11	Spring Break
	TH	3/13	Spring Break
10	T	3/18	26
	TH	3/20	26

11	T	3/25	27
	TH	3/27	27
12	T	4/1	28
	TH	4/3	28
13	T	4/8	Exam 3 (25,26,27,28)
	TH	4/10	29
14	T	4/15	30
	TH	4/17	30
15	T	4/22	31
	TH	4/24	31
16	T	4/29	32
	TH	5/1	32
17	T	5/6	Review For Final Exam
	TH	5/8	Final Exam (29,30,31,32) , (2:00- 4:00) pm

Physics 2326 (Homework Assignments)

Textbook: Physics by Jearl Walker (9th Edition)

Chapter 17: 24, 27, 39, 47, 55, 66, 70, 77, 81, 91

Chapter 18: 22, 25, 27, 35, 37, 51, 55, 60, 70, 88

Chapter 19: 7, 14, 21, 29, 31, 48, 55, 61, 75, 79

Chapter 20: 7, 11, 19, 25, 37, 52, 53, 55, 60, 70

Chapter 21: 11, 21, 25, 39, 40, 42, 50, 53, 63, 66

Chapter 22: 6, 9, 13, 26, 35, 41, 53, 67, 68, 71

Chapter 23: 7, 17, 19, 35, 39, 41, 45, 48, 62, 71

Chapter 24: 7, 15, 23, 29, 39, 47, 51, 73, 88, 101

Chapter 25: 10, 11, 22, 32, 34, 49, 58, 59, 64, 65

Chapter 26: 7, 13, 18, 27, 29, 33, 45, 51, 58, 64

Chapter 27: 10, 17, 24, 30, 44, 57, 58, 61, 69, 79

Chapter 28: 1, 3, 17, 21, 25, 36, 55, 57, 73, 80

Chapter 29: 13, 17, 21, 29, 40, 49, 53, 57, 78, 82

Chapter 30: 11, 28, 33, 46, 52, 53, 61, 71, 75, 92

Chapter 31: 11, 13, 18, 21, 31, 33, 44, 59, 67, 70

Chapter 32: 5, 7, 9, 11, 13, 17, 19, 25, 41, 51