

Syllabus for
PHYSICAL SCIENCE FOR EARLY CHILDHOOD EDUCATION TEACHERS
 ISCI 2002, Section A
 CRN 50611
 Summer 2013

CONTACT INFORMATION	Professor	Department
	Name: Dr. Paul C. Vincent Office location: Nevins Hall 2001 Office phone: 229-249-4847 E-mail: pvincent@valdosta.edu Office hours: M & W 9:00-10:00, Other times by appointment Office hours alternative: Beside Starbuck's in the Student Union— R 11:00-12:00	Physics, Astronomy, & Geosciences Nevins Hall 2006 229-333-5752 -- M-R 8:00-5:30 F 8:00-3:30

COURSE INFORMATION	
	Prerequisites: None officially (enrolled as an ECE major unofficially). Catalog description: A basic overview of the principles of scientific investigation utilizing topics in physics and chemistry. Transformations and interactions of matter and energy will be studied at the conceptual level. Scientific tools and instruments as well as mathematical skills will be used in scientific activities. Important features of scientific inquiry, including the scientific method, will be emphasized. Classroom: NH 3049 Meeting time: MTWR 8:00-8:55 TR 9:00-10:55 Final exam time: Thursday 7/25/2013, 8:00-10:00 a.m. Textbook: <i>An Introduction to Physical Science</i> , 13 th edition By Shipman, Wilson, & Todd Published in 2013 by Books/Cole Cengage Learning, 792 pages, (ISBN-13: 9781133109099)

COURSE POLICIES	
	Attendance: Regular attendance is expected and a roll sheet will be used to record your attendance at each class session. You alone are responsible for attending class, obtaining all material covered in the class. I have found that students with good attendance have better grades and I recommend you attend every possible class meeting. The VSU absence policy states: “ A student who misses more than 20% of the scheduled classes of a course will be subject to receiving a failing grade in the course. ” For this class, that means six class meetings. Tardiness: Class time is valuable and you are expected to arrive on time. Once class begins the door is closed may be locked in which case you will not be permitted to enter. Withdrawal: You can officially withdraw from the class by completing the appropriate form on Banner. If done before mid-term day (see Other Important Dates to Know below), there is no penalty to your grade. You must complete this process, NOT the professor. If you stop attending class after mid-term day without officially withdrawing you will likely receive a failing grade. Scholastic dishonesty: Cheating is not tolerated. If you are caught then you will receive a zero on that test or assignment. If you are caught a second time you will receive an “F” in the class. With each incident, I will submit a Report of Academic Dishonesty to the Dean of Students. Disruptive behavior: Actions that disrupt the concentration of your classmates or distract me are not tolerated. This includes talking, laughing, shuffling papers, and using electronic devices (cell phones, laptops, etc.). If your actions are disruptive I will ask you to stop. If the disruption continues I will ask you to leave. If you refuse, I will have the University Police remove you. Special services: Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in the Farber Hall. The phone numbers are 245-2498 (V/VP) and 219-1348 (TTY). Privacy: Out of respect for your privacy, I will only discuss your grades if we are face-to-face and I will discuss them only with you (there are limited exceptions to this that requires your signature on appropriate paperwork). Grades are posted in Banner and BlazeView ONLY . I do not give out grades over the phone or by e-mail.

GRADING CRITERIA	Grading:	Your grade in this class will be determined by the following breakdown: 3 Exams—100 points each and 60% of your final grade; ±10 Homework sheets—20 points each and 20% of your final grade (you can drop one); Miscellaneous assignments (mostly lab work) —points will vary and will count for 20% of your final grade.	
		Your final grade will be a(n)...	If you have a...
		A	90+%
		B	80-89 %
		C	70-79%
		D	60-69 %
		F	0-59%
	Mid-term grades:	There will be times during the semester that I will review grades and a mid-term grade will be posted on the Banner System before mid-term day.	
	Exams:	Exams are non-comprehensive and will be given approximately every ten class days. Anything covered in class and in supplemental materials provided during the semester is fair game for questions. This includes material covered in lectures, readings, films, and homework assignments. Dates of exams are on the schedule page of this syllabus. If you miss a test, you can make up the test if you must notify me by e-mail BEFORE the scheduled exam and you have a documented, university-recognized absence. Without prior written notice and documentation you will not be allowed to makeup the exam. The last test will be given during the scheduled final exam time. If you miss the last test, there will be no opportunity to make it up— NO EXCEPTIONS.	
	Homework:	Homework will consist of fill in the blank questions for the upcoming chapter and problem solving questions for the current chapter. The intent is to help you develop familiarity with terminology and become practiced in solving the mathematical exercises. The homework will be due at the beginning of class on the given date. I do accept late homework but you do lose points: <ul style="list-style-type: none"> – 25% if it's turned in late on the due date and – 50% until the graded homework is returned to the class. – Once graded homework is returned, I will not accept the work and you will receive a zero for the assignment. 	
	Miscellaneous	There will be an occasional assignment that may include lab work, reading, writing, on-line work, and other various activities that will count toward your overall grade for the class. These will typically be announced in advance but some will be impromptu.	
	Extra credit:	There are no extra credit assignments— don't ask!	

OTHER ITEMS	<ul style="list-style-type: none"> • If for some unforeseen circumstance I am late, give me the courtesy of waiting 20 minutes before leaving. Before leaving, check with the departmental secretary (in NH 2006) to find out if I'm on my way. If you leave before my late arrival you will be considered absent. • If you have to leave early position yourself in such a way that you can leave without being disruptive. • I recommend that you keep track of all graded material that I hand back to you. If there is ever disagreement between my grade book and your grades you can use these to resolve that discrepancy. Otherwise, the numbers in my grade book cannot be changed. • In the event of a fire alarm, get your personal belongings and exit the classroom and the building. If the alarm is discontinued within 10 minutes class will re-convene. If it continues for more than 10 minutes class will be dismissed.
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Anticipated Schedule	Dates	Topics	Readings
	Jun 5, 6	Introductions and overview	Chap 1
	Jun 10, 11, 12, 13	Motion Forces	Chap 2 Chap 3
	Jun 17, 18, 19, 20	Gravity and momentum Work and energy	Chap 3 Chap 4
	Jun 24 (Exam #1), 25, 26, 27	Energy, and power Temperature and heat	Chap 4 Chap 5
	Jul 1, 2, 3	Gas laws Waves and sound	Chap 5 Chap 6
	Jul 8, 9, 10 (Exam #2), 11	Waves and light The dual nature of light	Chap 7 Chap 9
	Jul 15, 16, 17, 18	Electricity and magnetism	Chap 8
	Jul 22, 23, 24	Atoms and elements	Chap 9, 10, 11

Dates, times, and sequence are subject to revision without notice

OTHER IMPORTANT DATES TO KNOW:	
Jun 27:	Mid-term day
Jul 4:	Holiday
Jul 25:	Final exam for this class