SCI 1100: General Physics MWF 8:00-8:50am, 103 WW3

Instructor: Chad McKell

By appointment, Academic House lower level Office Hours:

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Text:	How Things Work: The Physics of Everyday Life by Louis A. Bloomfield, 3rd Edition (available at campus bookstore)					
Course Description:	This is a survey course covering fundamental concepts of physics. General topics include kinematics, fluids, thermodynamics, electronics, and modern physics. There are no					
	prerequisites for this course, however, a basic understanding of algebra and geometry is assumed.					
Blackboard:	http://blackboard.uncsa.edu/webapps/login/ I will post grades and class material on BB. It is your responsibility to check the site regularly for updates.					
Learning	The course is designed to help you understand basic concepts of physics, learn what science					
Objectives:	is and how it advances, and gain an appreciation for how physics is relevant to you as an artist.					
Grading:	Below is a tentative breakdown for your final grade:					
-	Homework: 10% 93% A 80% B- 67% D+					
	Quizzes: 20% 90% A- 77% C+ 63% D					
	Exams: 60% 87% B+ 73% C 60% D-					
	Participation: 10% 83% B 70% C- <60% F					
Homework:	Each homework assignment is assigned on Monday and due on Friday. Homework is graded based on participation (which means I will award points to the problems you attempt). I					
	accept late homework, but the due date is in place to encourage you to keep to a set schedule					
	so that you do well on the quizzes and exams (which represent a much larger percentage of your grade). I encourage you to form study groups and discuss problems together.					
	Homework solutions will be posted on BB.					
Quizzes:	Quizzes are given every Friday at the end of lecture. They will consist of material discussed					
Quizzes.	in the previous three lectures. If you miss a quiz, you will receive a 0% on that quiz. No					
	makeup quizzes will be given.					
Exams:	Midterm exams will be given on September 28 th and October 26 th . If you miss an exam,					
	you will receive a 0% on that exam. Please come see me if you know you will need to take					
	the exam on a different day. The final exam will be given on November 28th at 9:00 am					
	and November 29 th at 1:00 pm.					
Participation:	I anticipate that a significant portion of the lecture period will be devoted to answering					
	questions from the reading material and discussing difficult homework and quiz problems.					
	At the end of the course, I will assess your overall participation and award you a grade. For					
	this reason, I expect you to be on-time and alert for each class. You are allowed 3 absences					
	without a grade penalty, but for every absence thereafter your participation grade will be					
	reduced by one grade level (i.e. B to B-). Extenuating circumstances are considered on a					
	case by case basis.					

Writing Center:	The Writing Center is a free support service for UNCSA students. The goal of the Writing Center is to assist students with all kinds of writing, including academic papers, thesis work, and projects for arts classes. Scheduled term hours are posted on the UNCSA website on the "For Students" page. Students may drop by the Writing Center for help during open hours. No appointment is necessary. The Writing Center is located on the second floor of the Academic Services House, 1915 Sunnyside Avenue. For further information contact				
	Elizabeth Klaimon, Director of the Writing Center. Email: <u>klaimone@uncsa.edu</u> Phone: (336) 631-1515.				
Plagiarism:	DO NOT PLAGIARIZE . If you take this course you are responsible for understanding the school's guidelines on academic honesty (available in the <i>Bulletin</i>). Therefore, any act of plagiarism in any course assignment will result in an automatic "F" for the course, a letter explaining the nature of the plagiarism will be sent to your Arts Dean, and a copy placed in your UAP student file. Students receiving a grade of "F" for a violation of an academic policy such as plagiarism may not use the grade replacement policy to replace this grade. Plagiarism is "literary theft." It is a betrayal of your own personal integrity and that of the UNCSA community. In any written assignment for the class you must cite the sources you use If you betray words (quoted or paraphresed) or ideas from any source, a book journal				
	use. If you borrow words (quoted or paraphrased) or ideas from any source, a book, journal, textbook, fellow classmate, web site, or other media source, you must credit the original source. If you are in doubt about whether you should cite something, play it safe and do so. As a rule of thumb, err on the side of unnecessary citation rather than failing to attribute credit where it is due. You are responsible for reading and understanding these policies. A failure to have done so will not be an acceptable excuse for any violation. Here is a link to a				
	very thorough explanation of plagiarism:				
	http://www.unc.edu/depts/wcweb/handouts/plagiarism.html				
Students with Disabilities:	In compliance with the UNCSA policy and equal access laws, I am available to discuss appropriate academic accommodations that may be required for students with disabilities. Note that accommodations will not be granted without appropriate written documentation. Upon entrance to the course, students are encouraged to register with the Officer for Student Disabilities to verify their eligibility for appropriate accommodations.				
Early Departure:	While Early Departure before the end of the term is discouraged, UNCSA recognizes that, from time to time, extenuating circumstances will necessitate approval of such Early Departure. Students seeking permission to leave school early should meet with the Assistant Dean of Undergraduate Academic Program and with their Arts Dean to obtain a permission form and to discuss Early Departure. (NOTE: Travel or vacation plans are NOT acceptable reasons for Early Departure. Students should carefully consult the academic calendar and plan accordingly.) For approval of Early Departure from undergraduate academic and arts classes, an Early Departure Form must be signed by the appropriate academic and arts instructor(s) and returned to the Assistant Dean of Undergraduate Academic Programs and the Arts Dean no less than three weeks prior to the end of the term. Students who leave campus before the end of the term without having been granted the appropriate permission will be considered to have unexcused absences.				

Unit	Date	Case Study Topic	HW	Read
	M, 08/20	Introduction		
	W, 08/22	Skating		1.1
	F, 08/24	Skating		
	M, 08/27 A	Falling Balls		1.2
	W, 08/29	Falling Balls		
TI	F, 08/31	Falling Balls	1	
The Laws of Motion	W, 09/05	Ramps		1.3
	F, 09/07	Ramps		
	M, 09/10	Ramps		
	W, 09/12	Ramps		
	F, 09/14	Seesaws	2	2.1
	M, 09/17	Seesaws		
	W, 09/19	Wheels		2.2
	F, 09/21	Bumper Cars	3	2.3
Electronics	M, 09/24	Audio Players		12.2
	W, 09/26	Review		
	F, 09/28	Spring Scales		3.1
	M, 10/01	Spring Scales		
	W, 10/03	EXAM 1		
	F, 10/05 W	Bouncing Balls	4	3.2
	M, 10/08	Bouncing Balls		
	W, 10/10	Carousels & Roller Coasters		3.3
	F, 10/12	Carousels & Roller Coasters	5	
Mechanical Objects	M, 10/15	Bicycles		4.1
	W, 10/17	Bicycles		
	F, 10/19	Bicycles		
	M, 10/22	Rockets and Space Travel		4.2
	W, 10/24	Rockets and Space Travel		
	F, 10/26	Review	6	
	M, 10/29	Review		
	W, 10/31	Balloons		5.1
	F, 11/02	EXAM 2		
Fluids	M, 11/05	Balloons		
	W, 11/07	Water Distribution		5.2
	F, 11/09	Water Distribution	7	
	M, 11/12	Clocks		9.1
Resonance & Mechanical Waves	W, 11/14	Musical Instruments		9.2
	F, 11/16	Musical Instruments	8	
	M, 11/19	Review		
	M, 11/21	NO CLASS		
	T, 11/27	SPECIAL REVIEW		
	W, 11/28	NO CLASS		
	Th, 11/29	FINAL EXAM, 1-4 pm		