J Charles Hicks	DEPA	ARTMENT OF PHY	SICS	Fall 07	
	Physics 2A – Mechanics				
WEB:	http://physics.ucsd.edu/students/courses/fall2007				
INSTRUCTOR:	Charles Hicks Office: 4114 Mayer Email: <u>jchicks@physics.ucsd.edu</u> Office Hours: Thursdays 09:00-10:00 Mayer 4114				
COURSE COORDINATOR:	Patti Hey 1138 Urey Hall Addition Phone: x21468				
TEACHING ASSISTANT:	Casey Conger Office: 2106 Mayer Email: <u>caconger@physics.ucsd.edu</u> Office Hours: Monday 1:00-2:00				
LECTURES:	MW Tu	11:00-11:50 AM 8:00-8:50 PM	WLH 200 LEKKN A	95 Aud (HSS 2250)	
QUIZZES:	F	11:00-11:50 PM	WLH 200	95	
DISCUSSION SESSION:	W	4:00-4:50 PM	WLH 200	95	
PROBLEM SESSION:	Th	7:00-8:50	WLH 200	95	
	Discussion sessions are informal classes intended for you to ask questions and receive answers about material covered in lectures. You are strongly encouraged to participate.				
FINAL EXAM:	Tuesday, December 11, 11:30AM-2:30PM (TBA)				
GRADING:	The quizzes will comprise 70% of your final score. The final will make up the remaining 30%. There will be a curve. Often the natural breaks in the distribution determine the final grade with a typical average being a B				
TEXT:	"Physics for Scientists and Engineers" by Richard Wolfson and Jay M. Pasachoff, ISBN 0536-17017-7				
HOMEWORK:	Due to the number of students, the homework will not be graded. A list of suggested problems from each chapter will be posted on the course website. Questions on the quizzes				

	and final exam will resemble the homework problems, I personally feel that solving problems is the only way to really learn the concepts and techniques required in physics. Hence I strongly encourage you to work through all of the assigned problems as well as additional problems if you feel you need more work in a given area. You are encouraged to address any questions you have concerning the homework problems in the discussion sessions. Additionally you should feel free to bring up these questions during office hours.		
	Additionally the TA will post the solutions to the assigned problems each week prior to the quizzes on the website.		
QUIZZES:	Weekly closed-book multiple-choice quizzes will be given each Tuesday evening in accordance with the course outline.		
	 Calculators are encouraged, computers are NOT allowed. Blank paper for calculations is encouraged. The best 7 out of 9 quizzes will be used to calculate the 70% of your final grade. There will be NO make up quizzes. 		
WHOM TO SEE:	Sharmilla Poddar, 116 Urey Hall Addition, Physics Dept. Student Affairs Office, if you have any difficulties using StudentLink/WebReg to add/change/drop, drop from wait- lists, have any questions about adding or dropping the course, or to get appropriate authorization for such actions. The teaching assistant if you have any problems regarding problem solving methods. The instructor if you have basic questions about the subject matter or grading issues.		
ADD/DROP:	No add/drop cards will be signed by the instructor or TA. Use StudentLink to add/change/drop/drop from wait-lists.		
DEADLINES:	Add: October 12, 2007 Drop without a "W" on transcript: October 26, 2007 Drop without an "F" on transcript: November 30, 2007		

	COL	URSE OUTLIN	NE
Charles Hicks		Physics 2A	Fall 2007
LECTURE		QUIZ	
NUMBER		SUBJECT	
(Start Date)	TOPIC (Chapter)	(Date)	ASSIGNED PROBLEMS
1-3	Introduction (1);	Chpts. 1,2,3	Ch. 2:14,18,23,30,36,51,52,59,61,
(Sept. 28)	Linear Motion (2);	(Oct. 5)	78
	Vector Description of		Ch. 3:3,7,8,9,12,15,24,29,43,45,
	Motion (3);		48,53
4-6	Motion in More Than	Chpts. 4	Ch. 4: 4,5,9,17,18,25,28,33,49,
(Oct. 5)	One Dimension (4);	(Oct. 12)	54,63
7-9	Forces and Motion (5);	Chpts. 5,6	Ch. 5: 3,5,8,11,18,26,35,36,41,
(Oct. 12)	Application of Newton's	(Oct. 19)	50,67
	Laws (6);		Ch. 6: 3,7,9,11,12,16,20,25
10-12	Application of Newton's	Chpts, 6,7	Ch. 6: 35,36,37,46,51,54,57
(Oct. 19)	Laws (6);	(Oct. 26)	Ch. 7: 3,6,7,10,14,19,22,27,31,
	Work, Energy, and		35,42,43,48,49,56,57,74,75
	Power (7);		
13-15	Conservation of Energy	Chpts. 8,10	Ch. 8: 2,6,7,8,15,17,26,28,
(Oct. 26)	(8);	(Nov. 2)	29,30,35,36
	Systems of Particles,		Ch. 10: 1,3,5,8,9,19,21,22,27,29,
	Center of Mass (10)		37,38,42,48,50,51,63,67
16-18	Review;	Chpts. 11	Ch. 11: 1,3,5,9,13,22,27,30,33,
(Nov. 2)	Impulse, Collisions, and	(Nov. 9)	36,38,40,42,45,48,50,51,53,57,67
	Conservations Laws (11)		
19-21	Rotational Motion (12);	Chpts. 12,13	Ch. 12: 2,5,6,10,14,15,17,20,22,
(Nov. 9)	Angular Momentum	(Nov. 16)	25,26,34,37,39,42,45,60,63,64,
	(13)		67,72,74
			Ch. 13: 1,4,6,7,9,11,12,18,19,25,28
22-24	Angular Momentum	No Quiz,	Ch. 13: 30,33,37,40,42,43,
(Nov. 16)	(13); Static Equilibrium	Thanksgiving	56,65
	(14)		Ch. 14: 2,3,9,11,12,13,16,
			17,18,19
25-27	Static Equilibrium (14);	Chpts. 14,15	Ch. 14: 25,27,29,31,34,45,
(Nov. 27)	Oscillatory Motion (15)	(Nov. 26)	49,53,60
			Ch. 15: 3,5,9,13,19,33,35,
			45,69
28-30	Gravitation (9); Review	Chpts. 15, 9	Ch. 9:11,17,45,51
(Dec. 4)		(Dec. 3)	