

## Survey of Physics

Physics 113

Spring 2013

Instructor: William Andersen Science 211

Phone: 562-2355

email: use BlackBoard Messages

### Required:

- textbooks: *Cartoon Guide to Physics* (CGP), Gonick and Huffman and *Quantum Physics for Poets* (QPP), Lederman and Hill
- calculator with logarithms
- access to internet (BlackBoard and Sapling Learning)

### BlackBoard:

- Students are responsible for ensuring that they are enrolled and that their BlackBoard name is the same as their Banner name.
- Check BlackBoard to verify the accuracy of posted grades. Challenge in writing any entry you believe incorrect within one week after the grade is posted.

### Course grade:

- Letter grades will be assigned according to the map:  $90-100 \rightarrow A$ ,  $80-89 \rightarrow B$ ,  $70-79 \rightarrow C$ ,  $60-69 \rightarrow D$ ,  $0-59 \rightarrow F$
- the numerical score is based on:

problem sets      40%

discussion board   40%

paper                20%

### Problem Sets:

- Neither paper copy nor excuses are accepted. All problem sets must be submitted via Sapling Learning. Monday memo events provide no exception. Plan ahead!
- Instructions for registering on Sapling Learning are on Bb.

### Paper:

- May be on a physics topic of your choosing. You may describe an application of physics to your field of interest.
- Must be submitted via the Blackboard Term Paper Assignment.
- Font size 14; double spaced; one thousand word minimum.
- Minimum of three references; only one may be a web site.

### Tenative Schedule

due date	CGP	QPP	Sapling	Blackboard
Jan. 13				
Jan. 20	chapter 1	chapter 1		
Jan. 27	chapter 2	chapter 2	problem set 1	
Feb. 3	chapter 3	chapter 3 pp.55-63		discussion 1
Feb. 10	chapters 4, 5, 6	chapter 3 pp.63-71	problem sets 2, 3	
Feb. 17	chapters 7	chapter 3 pp.72-75		discussion 2
Feb. 24	chapters 8, 9	chapter 3 pp.76-81	problem set 4	
March 3	chapters 10	chapter 4 pp.83-88		discussion 3
March 10	chapters 11	chapter 4 pp.88-91	problem set 5	
March 17	SPRING BREAK			
March 24	chapters 12, 13	chapter 4 pp.91-94	problem set 6	
March 31	chapters 14, 15	chapter 4 pp.94-102		discussion 4
April 7	chapters 16,17	chapter 4 pp.102-118	problem set 7	
April 14	chapters 18,19	chapter 5 pp.119-139		discussion 5
April 21	chapters 20, 21	chapter 5 pp.139-147	problem set 8	
April 28	chapter 22	chapter 6 pp.149-165		discussion 6
May 5	chapter 23	chapter 6 pp.165-180	problem set 9	paper due