Course Details (all on Carmen no need to copy)

1. I'm Dongping Zhong: PRB2142, zhong.28@osu.edu
2. Please access Carmen for: Grades, messages, sample exams, solutions, lecture summaries, discussion forums with your fellow students, & other good stuff.

Handouts are there now: syllabus, WebAssign explanation, general information, …

3. WebAssign for homework. www.webassign.net

–Watch out for due date and time

– accuracy (e.g., 34.256, 1.234E6).

10 tries on computation problems. 2 tries on MC questions. (?)

Important Contacts:

- **For WebAssign issues (other than excuses):** see the WebAssign administrator
  Dr. Bolland - SM 1106D, 292-8065, bolland@physics.ohio-state.edu
- **For excuses or permission for anything:** see the course manager
  Dr. Ziegler - SM 1036A, 292-2067, ziegler.2@osu.edu

- See http://www.physics.ohio-state.edu/~phys1250 for course policies
- textbook: *Physics for Scientists and Engineers, 10th edition* by Serway & Jewett
- Meetings
  - Lectures TWF
  - Recitations and Labs at various times

see course manager only if you miss more than the drop-offs.

- Course grade

Recitation Participation (2 dropped)	=6%
ES (1 dropped)	=3%
On-line Homework (no drops)	= 12%
Hand-in HW (1 dropped)	=6%
Quizzes (2 dropped)	= 16%
Labs	= 10%
Pre-Labs (on Carmen; 1 dropped)	= 3%
2 Midterms, 2 x 12%	= 24%
Final	= 20%

➡ Office hour: Monday 2-3 pm and Friday 3-4 pm, PRB2128

Which of the following is an SI unit of speed?

A. Miles
B. Hours
C. Meters
D. Seconds
E. Mi/hr (miles per hour)
F. m/s (meters per second)
G. None of the above

The table is 430 cm wide and a flamingo is 0.52 m. How many flamingos wide is the table?

1. 827 flamingos
2. 0.0012 flamingos
3. 8.3 flamingos
4. 0.12 flamingos
5. None of the above

We can always multiply by one:

$$Width = 430\,cm \times \left(\frac{1\,m}{100\,cm} \right) \times \left(\frac{1\,fla\,\min\,go}{0.52\,m} \right) = 8.3\,fla\,\min\,gos$$

Convert 60 miles/hour in unit of m/s :

$$60\,miles/hour = \frac{60\,miles}{hour} \times \left(\frac{1609\,m}{1\,mile}\right) \times \left(\frac{1\,hour}{3600\,\mathrm{sec}}\right) = 26.817\,m/s$$

Table 1.4 Prefixes for Powers of Ten

10^{-21}	zepto	z	10^{3}	kilo	k
10^{-18}	atto	a	10^{6}	mega	M
10^{-15}	femto	f	10^{9}	giga	G
10^{-12}	pico	p	10^{12}	tera	T
10^{-9}	nano	n	10^{15}	peta	P
10^{-6}	micro	m	10^{18}	exa	E
10^{-3}	milli	m	10^{21}	zetta	Z
10^{-2}	centi	c	10^{24}	yotta	Y
10^{-1}	deci	d			