## Announcements - Lecture I-Monday. May 20 ${ }^{\text {th }}$


WWN. chen. Lunass.edulgenchery (all bower case)


## Chem 111

Instructors:


## Summer 2013



1. Safety Glasses:
2. Scientific Calculator
(Easy to use and inexpensive)


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1. Class Meets: MTuWThF 11:15-12:45
2. Class Location: ISB 221
3. Campus Map


General
Genchem
Owl
Course Home

## Old Exams

M.C. Questions
Laboratory
General
Lab Policy
Lab Safety
Lab Schedule

Moy | June |
| :--- |
| TA Information |
| Section L01 |

Experiments
$\begin{array}{lll}\mathrm{E}-1 & \mathrm{E}-2 & \mathrm{E}-3 \\ \mathrm{E}-4 & \mathrm{E}-5 & \mathrm{E}-6\end{array}$
Prelab Quiz
$\begin{array}{lll}E-1 & E-2 & E-3 \\ E-4 & E-5 & E-6\end{array}$
Video
Weighing

Syllabus Summary:

1. Grading

3 Exams 70\% Highest Exam Score 26\%; Lowest 20\%; Other 24\% $\begin{array}{ll}\text { Quizzes } & 7 \% \\ \text { Owl } & 5 \%\end{array}$ Laboratory 18\%
2. Exam Policies:

You must have a passing exam average in order to pass the course. froll OWh homework
3. Lab Policies:

Lab Meets Tuesday/Thursday, 1:30-4:30, ISB 155.
You must complete all of the laboratory experiments to pass the course.
4. Academic Honesty:

You will abide by the academic honesty policy of the campus. I expect you to do your own work on exams and labs. You mush flush all calculator memories of any chemistry information before coming to an exam. You MAY NOT bring any additional materials to exams other than a pencil, calculator, and your brain. I take honesty very seriously.
5. Grade Cutoff's:
$>90$ 's A.
$<55 \mathrm{~F}$
The other grade cutoff's will be determined at the end of the semester. However if you want to be assured of a B you should be in the 80's and 70's for a C.
6. Exam Dates:

Exam I Friday May 31 ISB 221 11:15-12:45
Exam II Friday June 14 ISB 221 11:15-12:45
Exam III Friday June 28 ISB 221 11:15-12:45
7. Old Exams
$\left\{\begin{array}{lllllll}2012 & \text { Exam I } & \text { Key I } & \text { Exam II } & \text { Key II } & \text { Exam III } & \text { Key III } \\ 2011 & \text { Exam I } & \text { Key I } & \text { Exam II } & \text { Key II } & \text { Exam III } & \text { Key III } \\ 2010 & \text { Exam I } & \text { Key I } & \text { Exam II } & \underline{\text { Key II }} & \text { Exam III } & \text { Key III } \\ 2007 & \text { Exam I } & \text { Key I } & \text { Exam II } & \underline{\text { Key II }} & \text { Exam III } & \text { Key III }\end{array}\right\}$


## তWL

OWL User Login

OWL Login
Login
Login Help

# TWL Learning 

University of Massachusetts Amherst Courses - Amherst, Massachusetts Chemistry General


## IB RC

## Integrated Sciences Building Computer Resource Center

Chemistry - Biochemistry \& Molecular Biology - Biology
ISB Room 325


ISB CRC Collaborative Area
(photo courtesy of Prof. Craig Martin)

The Integrated Sciences Building, which opened in spring 2009, has its own Computer Resource Center dedicated to meeting the needs of students in the College of Natural Sciences and Mathematics who are taking courses in the ISB. As of now that includes the Departments of Chemistry, Biochemistry and Molecular Biology, and Biology.

Information on this page is provisional.
ISB CRC Software
Images of the ISB including the CRC ©
AN Systems in the CRC (and the rest of the building)
See Also:
How to find the ISB

## Summer Schedule

M_F: 8:000m to 4:30 pM 1:00-2:30pM Harmed by a $T A$ see 'Sols Schedule' on class nets site for more details. [edit]


# Reed prion to first lat...TuEspay, May $28^{\text {th }}$ 

## 7 all lat materials posted on cos web ste <br> I am retaking this course, do I have to retake the lab?

Here is the scoop on a lab waiver. If you received a grade of $\mathbf{F}$ for the course then you have to retake the lab. If you received any other grade then you are entitled to a lab waiver. Yousherkd print a copy of your grade fem Spire and take it to Marie whiten, in I SB 341 where you will have toll some painless paperwork.) A cautious note, if your lab grade is $<80$, it is highly recommended that you retake the 1 $\rightarrow$ See ne after class.
Weighing
Using a buret
Titrating


1.4 Unit Conversions
a) Dimensional Analysis
1.4a Example_1

Prior to the metric system, the common unit of weight was the pound (Ib). Under the S.I. System, $1 \mathrm{lb}=453.5 \mathrm{~g}$. If an old recipe calls for 9 ounces of flour ( $16 \mathrm{oz}=1 \mathrm{lb}$ ), how many grams of flour is this equivalent to?
 Cannot do ... No conversion factor given and no neb access!

$$
\begin{aligned}
& 9 \text { ounces } \left\lvert\, \frac{1}{16 \text { ounces }} \mathrm{ld}=0.5625 \mathrm{lb}\right. \\
& 0.5625 \mathrm{~d} \mathrm{~b}^{\prime} \frac{453.5 \mathrm{~g}}{1 \mathrm{lb}^{\prime}}=255 \mathrm{~g}
\end{aligned}
$$

? What about significant figures?

