

**Chem 115/116 Course Web Site
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Where's the web site?

The web site for my Chem 115 and Chem 116 courses can be found through the Chemistry Department's home page at www.chem.umb.edu. From there, follow the links to Courses, Chem 115 or Chem 116, and then click on the section with my name.

I don't have a computer or internet access. What do I do?

The University has zillions of public-access computers, most of which are connected to the internet. As a registered student, you can use any one of these to gain access to the course web sites. Contact Computing Services for details.

How do I view the materials?

All materials on these course web sites are in Adobe Acrobat PDF format, which requires that your computer have the Adobe Acrobat Reader installed. Most computers already have this, but if you need it go to www.adobe.com to download and install the latest version.

What kind of computer do I need?

Either a PC or a Mac with Adobe Acrobat Reader will let you use the files. The PDF format is not machine specific.

Can I print the materials?

Yes. You may make as many copies of the posted materials as you need for your personal use in conjunction with your studies in Chem 115 or Chem 116 or on behalf of any student enrolled in these courses. All materials are copyright, Robert L. Carter and/or the Department of Chemistry at UMass Boston, 1999-2007, and may not be copied for resale or distribution beyond the University of Massachusetts Boston without prior permission.

What's available on the course web site?

Documents are grouped under the following categories: Information, Assignments, Handouts, Overheads, Homework Solutions, Laboratory, More Than You Need to Know.

What's under Information?

The initial handout on the course procedures and policies, the syllabus, this information sheet on the web site, how to use the OWL system, and any other general information will be posted here. This is where sample tests and test study guides will be posted, as well as keys to the exams after they have been given and class results. There is also a color-coded calendar for the course, which you should download and print.

What's under Assignments?

Copies of each weekly homework assignment, to be reviewed in discussion section meetings, will be posted here. Be sure to check the web site each week for the current assignment.

What's under Handouts?

These are called Handouts, because I used to print out copies of these kinds of documents to hand out in class. Here you will find copies of materials that summarize various topics in the course. In some cases these are fact sheets of material to be memorized, and in others they are guidelines for certain procedures. All handouts are currently posted.

What's under Overheads?

I routinely use projected overheads, using Acrobat, as part of my lectures, in addition to hand-written notes that are also projected. All the overheads I intend to use are currently posted. (My hand-written class notes will not be posted.) Most students like to print these out and have them in hand during lecture, adding their own notes to them as we go along. Because I am constantly revising these, you may find that an overhead used in class is different from or in addition to those that may be on the web site before class. In such cases, I will post the new material as soon as possible.

What's under Homework Solutions?

You should use the text's solution manual for answers to most of the problems. However, sometimes I have a different way approaching certain problems, which I would like you to see. Also, I sometimes give additional problems that I have written, the solutions to which will be posted here.

What's under Laboratory?

This section is a vestige of the site when the lecture and lab were part of the same course (Chem 103 or Chem 104). Now, there is just a link to the separate web sites for Chem 117 or Chem 118. At the appropriate laboratory web site you will find PDF files of the individual laboratory experimental write-ups. The correct laboratory schedule (which sometimes needs to be revised, due to unforeseen circumstances) will always be available here, too. Be sure to print out the laboratory instructions in full-sized format and bring the print-out with you to lab. In some cases there is a pre-lab exercise that you must do to gain entrance to the laboratory.

What's under More Than You Need to Know?

As the name suggests, these are short descriptions of topics beyond what you are required to know for tests. Sometimes in a course at this level we must gloss over the details of a topic or the derivations of certain equations. If you are curious about learning a little more on a topic or understanding how a certain result or equation came about, check out the few postings in this subheading.

Are there any bugs with these files?

Sure! The most common problem encountered with using PDF documents comes from missing fonts. If your computer does not have the same special fonts that I used in creating some of these documents, you may see strange nonsensical substitutes. Most of the documents were created with Corel WordPerfect. If you don't use this, you probably don't have the special symbol fonts in their WP Fonts X set; e.g., WP Math A, WP Math B, WP Greek Helve, etc. Although we have requested that these fonts be installed on the public computers in the computer labs in the library, sometimes this has not been done. If you're having problems reading things *and* you have a PC (not a Mac), bring me a thumb drive and I can give you the necessary fonts to install on your machine. I can also email you a zip file with the fonts. Alternately, go to Corel's web site at www.corel.com and try downloading the font set for WordPerfect or the trial edition of the program itself. However you obtain them, install the fonts in your computer's font directory, using the procedures that are described in Window's Help. It is not enough to move the fonts to your font directory; they must be installed in order for your computer to know they are there. As a test, if you are reading this from the web site, the following symbols might give you trouble, in which case you should install the WP Fonts set:

→ (short arrow), Δ (capital delta), ν (lower case nu), π (lower case pi), σ (lower case sigma)