

Youngstown State University  
Department of Chemistry  
Chemistry 3706      Nutritional Biochemistry Laboratory  
CRN 21318 & 25113

1/2/2011

Room 6022 Ward Beecher Hall  
CRN 21318 Wednesday 2:00 PM – 4:50 PM.  
CRN 25113 Tuesday 11:00 AM – 1:50 PM.

**Instructor:** Dr Russell Moser, Ward Beecher Science Hall, Room 6006; Phone: 330-941-7100

**Office Hours:** Mondays from 1-3 PM and Wednesdays from 10-11 AM. At other times, I am easy to reach by phone or e-mail address on my web site. E-mail is the quickest and easiest way to reach me. You may discuss any Issue from problems you can't solve, to needed encouragement, to requesting an appointment. I check my e-mail several times per day and will respond to you within hours.

3706 Web Location: [www.as.yosu.edu/~rmoser](http://www.as.yosu.edu/~rmoser) or keywords "russell moser".

### **Objectives:**

The objectives of Chemistry 3706L are as follows:

- Introduce the students to basic principles used in experimental biochemistry
- Reinforce concepts taught in Chemistry 3706
- Learn the basic manipulation of solutions and equipment
- Learn how to analyze experimental data

### **Required Supplies:**

See lecture syllabus.

Internet Access to my web site and other materials

Calculator: Your calculator should handle scientific notation.

### **Grading:**

You will conduct these experiments in groups of two. Each individual is expected to write-up and hand in his/her own report. Most reports contain a pre-laboratory exercise. The pre-laboratory exercise **must** be completed and turned in **before** you will be allowed to begin the experiment. Your grade will be based on the laboratory reports (90%) and laboratory technique (10%). Laboratories will be graded based on completeness and quality of lab write-up. Technique points include cleanliness in the laboratory, ability to work independently, and the quality of you data and results for each laboratory.

Your laboratory grade will be folded into the overall grade for Chemistry 3706. Letter grades for the laboratory can be estimated on a straight scale, i.e. A, 100-90%; B, 89-80%; C, 79-70%; D, 69-60%; F, <60%.

**Fees:**

The materials fees collected for this laboratory course are used to partially defray the cost of replacing expendable materials and obsolete equipment, repairing equipment, and obtaining new equipment appropriate for student use in state of the art instruction in the laboratory science of chemistry.

**Risk:**

The potential of risk is present in some lecture demonstrations and laboratory experiment. Accidents have been rare, but have happened. Faculty and staff members exercise great care to minimize and, where possible, eliminate all potential hazards. Additionally, minimization of risk requires that students come well prepared for each assigned exercise and are attentive in class. **Lab coats and safety glasses must be worn at all times.**

**Class Attendance and Participation:**

You must be in the lab at the scheduled times to perform the experiments.

**Academic Honesty:**

Academic honesty and personal integrity are the foundation upon which a quality education is built. To maintain high scholastic standards and to ensure each student the right to obtain a quality education, the University cannot tolerate academic dishonesty, e.g. cheating or plagiarism. Any student who submits laboratory reports, pre lab write ups, laboratory results, or similar academic materials which were performed or prepared by someone else is committing plagiarism. The penalty for such an offense may include a failing grade for the experiment, a failing grade for the laboratory, disciplinary probation, suspension, or expulsion.

**Disability Statement:** In accordance with University procedures, if you have a documented disability and require accommodations to obtain equal access in this course please contact me privately to discuss your specific needs. You must be registered with the CSP/Disability Services, located at 275 Fifth Ave, and provide a letter of accommodation to verify your eligibility. You can reach the CASP/Disability Services at 330-941-1372.

**Tutoring:** There are two sources of free tutoring available.

- (1) Graduate students are available throughout the day, 5 days per week in Ward Beecher Hall room 5039. There is a posted schedule on the door. Just walk in during the posted hours and ask your questions. They will answer your questions immediately.
- (2) The Center for Student Progress is a resource on campus established to help students successfully complete their university experience. Please phone (330) 941-3538 or visit the Center for assistance in tutoring or for individualized assistance with social and academic success. The main Center is located in Kilcawley West below the bookstore. They will set up the appointments.