

Syllabus

Chemistry 120, Section N05, Fall 2007

Instructor: Richard E. Bloss
Class Hours: Mondays and Wednesdays, 6:15 PM – 7:30 PM
Office Hours: immediately following lectures or by appointment
Telephones: 859-572-5409 (NKU Chem. Dept.); 513-579-5443 (weekdays at 8-5);
 513-233-3102 (home)
E-Mail: blossre@hotmail.com (checked frequently, but not necessarily daily)
blossr@nku.edu (checked slightly less frequently)
Required Text: Chemistry & Chemical Reactivity, sixth edition, by Kotz, Treichel & Weaver
 Internet Access to Blackboard and Owl is also required.

Date(s)	Event	Points
8/20 – 9/5	Lectures (5), Unit 1 (Ch. 1-3.5)	
8/29	Two lectures, 6:15 PM-9:00 PM	
9/3	Labor Day, no classes	
9/5	Help Session 7:35 PM – 9:00 PM	
9/10	Exam, Unit 1	100
9/12 – 10/10	Lectures (9), Unit 2 (Ch. 3.6-6)	
9/17	Last date to drop without a grade	
10/10	Help Session, 7:35 PM – 9:00 PM	
10/15	Fall Break, no classes	
10/17	Exam, Unit 2	100
10/22 – 11/26	Lectures (10), Unit 3 (Ch. 7-10)	
10/29	Last date to drop with a “W” grade	
11/21	Thanksgiving Eve, no classes	
11/26	Take-home problem assignment due	100
11/26	Help Session 7:35 PM – 9:00 PM	
11/28	Exam, Unit 3	100
12/3 – 12/5	Lectures (2), Unit 4 (Ch 12)	
12/5	Help Session 7:35 PM – 9:00 PM	
12/10, 6:45 PM	Final Exam, Chapters 1-10, 12	100
TBA	Over-night Take-Home Quizzes	100

Notes:

- Students are responsible for reading and understanding all items on this syllabus. Any items not understood must be brought to the attention of the instructor by the end of class on Wednesday, August 29.
- Testing dates, topics to be covered and all items on this syllabus are subject to change by the instructor. Announcement of changes will be made during regularly scheduled class sessions and/or via Blackboard.
- Assignments will be given in addition to the scheduled exams. These assignments will be announced in-class and will have a total value of 100 points for the entire semester. **If you miss a class, it is still your responsibility to learn of and complete these assignments by the assigned date. They will be posted in Blackboard following their announcement in class.** “Owl” may be used for some or all of these. If an assignment is turned in on time, it is worth up to the entire point value. Late submissions of assignments will be worth up to only 50% of the announced value if turned in up to one class meeting late, and 0% thereafter.
- Final semester grades will be based on total points. Tentative grading scale is as follows: (100% - 90%) A (89% - 80%) B (79% - 65%) C (64% - 50%) D (below 50%) F
- The first exam will require knowledge of the material from lectures and the required text, the information on the nomenclature handout, and any other material announced in class.
- Unexcused absences from exams will not be tolerated and will result in a grade of 0. In cases of serious illness on the day of the exam, a written statement from your physician may be required in order for a make-up exam to be given. In any event, the instructor must be notified prior to the time of the exam is to begin if an absence is to be excused.

7. Assignments not turned in during class meetings should be emailed or placed in the instructor's mailbox in the Chemistry Department office. Please do not slide them under the door of the instructor's office.
8. Group help sessions will be held immediately after the last lecture prior to each scheduled exam. Individual assistance is typically available after all other lectures.
9. Cell phones should be turned off or set to only vibrate during lecture periods. Cell phones must remain off and out of sight during test periods.
10. Attendance to class lectures is strongly recommended. Test questions may draw from lecture topics not covered in the text.
11. Students who wish to use audio recording devices during lectures are welcomed to do so and may place such devices on the lecture desk for improved audio quality if they wish.
12. Students with special visual or auditory needs should sit in the front rows of the room. Any students with any special needs should identify themselves to the instructor within the first two weeks of the semester so that appropriate accommodations can be made, if possible. Students with disabilities who require accommodations (academic adjustments, auxiliary aids or services) for this course must register with the Disability Services Office. Please contact the Disability Service Office immediately in the University Center, Suite 320 or call (859)572-6373 (or see <http://www.nku.edu/~disability>) for more information. Verification of your disability is required in the Disability Services Office for you to receive reasonable academic accommodations.
13. This is a web-enhanced class, and students are expected to maintain Internet access throughout the duration of this course. Inability to access the Internet from your residence does not excuse a student from assignments or information distributed through that medium.
14. Additional departmental information is available at www.nku.edu/~chemistry/general_chem
15. Course is subject to NKU Honor Code. The Honor Code is a commitment to the highest degree of ethical integrity in academic conduct, a commitment that, individually and collectively, the students of Northern Kentucky University will not lie, cheat, or plagiarize to gain an academic advantage over fellow students or avoid academic requirements: www.nku.edu/~deanstudents/policies.htm
16. Cheating or plagiarism will not be tolerated. The instructor will determine the actions to be taken in response to a student caught cheating or plagiarizing, in accordance with the Code of Student Rights and Responsibilities.
17. Faculty members reserve the right to dismiss or have any disruptive student removed from the classroom.
18. A final grade of C or better in CHE 120 and CHE 120L is required in order to enter CHE 121 and CHE 121L.

Expected Student Learning Outcomes

- ❖ Explain the major concepts and experimental findings in the chemical sciences.
- ❖ Utilize critical thinking skills to apply concept knowledge and adapt experimental techniques to: a) form and test hypotheses and b) solve scientific problems
- ❖ Compile, critically evaluate, and interpret scientific information and data.
- ❖ Effectively communicate scientific information through written and oral means.
- ❖ Evaluate the relationships between chemistry and mathematics, physics, biology, and other disciplines and between chemistry and society.
- ❖ Apply computer technology and other technologies in the comprehension, interpretation, and presentation of the chemical sciences.

Recommended Practice Problems, by Chapter in Kotz, Treichel & Weaver Text

1. 1, 3, 5, 7, 11, 15, 19, 21, 25, 27, 31, 37, 39, 43, 47, 51, 53, 59, 67, 69, 73, 77, 79, 83, 93, 95, 103, 105
2. 1, 11, 13, 15, 23, 25, 27, 29, 33, 35, 39, 41, 45, 47, 48, 51, 55, 57, 63, 67, 71, 77, 79*
3. 7, 13, 17, 19, 21, 23, 27, 31, 35, 41, 47, 49, 59, 65, 67, 71, 75, 79, 83, 85, 87, 89, 95, 99, 113, 115
4. 5, 9, 13, 15, 19, 23, 29, 31, 35, 37, 47, 55, 59, 65, 73, 79, 81, 83
5. 1, 3, 7, 9, 11, 13, 15, 17, 19, 23, 29, 33, 35, 39, 41, 45, 51, 59, 65, 69, 73, 81, 83, 87, 89, 101, 107, 109, 111, 119, 125
6. 9, 13, 15, 23, 27, 31, 33, 37, 45, 47, 53, 57, 61, 73, 79, 83, 87, 91
7. 3, 7, 15, 19, 21, 23, 27, 35, 37, 41, 49, 55, 63, 65, 67, 69
8. 5, 7, 11, 15, 17, 19, 23, 25, 27, 33, 37, 39, 47, 55, 57, 59, 61, 67
9. 7, 9, 25, 27, 29, 33, 37, 39, 45, 49, 53, 61, 63, 77, 79, 83, 95
10. 5, 7, 17, 19, 31, 33, 39, 50, 51
12. 5, 7, 13, 15, 19, 25, 29, 33, 39, 42, 49, 55, 57, 63, 69, 77, 81, 91, 101