Chemistry 111
Accelerated General Chemistry (Section One)
Spring 2023

Instructor: Dr. Jason Overby
Course Time and Location: TTh 1:40-2:55 SSMB 138
Office: SSMB 318
Office Hours: TTh 12-1:30, W 11-1; others by arrangement (contact me)
e-mail: overbyj@cofc.edu
Homepage: http://overbyj.people.cofc.edu/
Phone: 953-8098

Description of Course

An introductory course in chemistry emphasizing theoretical aspects and designed primarily for students who intend to take one or more additional courses in chemistry.

Co-requisites and prerequisites

Chem 111L must be taken concurrently. Unless students exempt Math 111 or have completed this course as a prerequisite, they are required to Math 111 as a co-requisite. If you need additional help with math skills, contact the Math Lab, Addlestone Library, First Floor.

Materials

ALEKS will be the main learning tool used with the class. This is a required purchase and will be used extensively throughout the semester. ALEKS includes a digital ebook as part of the package. You may want to purchase a copy of the printed book if you like but it is not required.

No printed copy
of the book is required.
Everything online.

Online Materials

Please visit OAKS for up-to-date information concerning the course. There will be regular assignments every lecture period in ALEKS. These will be the source for graded online assignments.

Assignments online.
Expect class things due often.
Class is digital.
Learning Outcomes

Upon completion of this course, students should be able to:

- Know the definition of chemistry and the scientific method
- Express common mathematical techniques in the solving of chemistry problems
- Understand the role of the atom in chemistry
- Distinguish, classify, and explain the properties of compounds
- Recognize and explain the fundamental nature of chemical reactivity
- Differentiate and describe the principles of the phases of matter

General Education Learning Objectives

Upon completion of this course, students should be able to:

- Apply physical/natural principles to analyze and solve problems
- Develop an understanding of the impact that science has on society

Class policies

Attendance at all class meetings is expected but not required. You are expected to budget your time wisely and meet your obligations for this class. Experience has demonstrated that there is a strong correlation between your grade in the class and your attendance. You are responsible for learning the material when you miss class. My time in office hours is not for catching you up on material you missed. In the event you miss a lecture period, please check OAKS for a synopsis of that day’s lecture.

Attendance is good. Being present helps you learn but not required.

Grading Scheme

- Progress Activities: 65%
- Final Course Activity: 20%
- ALEKS: 15%
Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Lower Limit</th>
<th>Upper Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>92-100</td>
<td></td>
</tr>
<tr>
<td>A–</td>
<td>90-91</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>88-89</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>82-87</td>
<td></td>
</tr>
<tr>
<td>B–</td>
<td>80-81</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>78-79</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>72-77</td>
<td></td>
</tr>
<tr>
<td>C–</td>
<td>70-71</td>
<td></td>
</tr>
</tbody>
</table>

Grading scale is fixed. All rules of rounding followed. Never a curve here!

Grading Policies

If you attempt all four of the progress activities, the lowest of your five scores will count 5% while the remaining three progress activities count 20%. Thus, the three highest progress activities scores will comprise 60% of the 65% of your progress activities grades and the remaining 5% will result from the lowest progress activity score. If you know you will be missing a progress activity, appropriate accommodations can be made in many cases.

It is not my policy to allow make-up progress activities. In the event you do have to miss a progress activity, you must notify me as soon as possible so suitable accommodations can be made. If you fail to confer with me concerning a missed progress activity, you will receive a zero for that progress activity.

The ALEKS grade is comprised of two parts. One half is assigned based on your ability to finish objectives by the assigned deadlines. The other half of the grade is based on the entire course objectives completion (i.e., Is your pie filled?)

The Honor system is in effect in all your efforts for this course. Cheating will not be tolerated. If you are caught cheating, a grade of “F” will automatically be given and you will be brought before the Honor Board. By enrolling in this course, you are agreeing to abide by the Departmental policy on Scientific Integrity.
**Progress Activity Schedule**

There are four progress activities given over the course of the semester. The dates of these progress activities are flexible but you will always be given at least one week’s notice before any of the in-class progress activities.

*All things are spread out.*
*You will know when they will be.*
*I will tell you when.*

**Final Course Activity Information**

The final course activity is a standardized tool containing 70 multiple choice questions and was prepared by the American Chemical Society. This is a timed activity (110 minutes) which you should note is less than the normal block of time allotted by the Office of the Registrar.

**Accommodations for Students with Disabilities**

If there is a student in this class who has a documented disability and has been approved to receive accommodations through the Center for Disability Services/SNAP (Students Needing Access Parity), please come and discuss this with me.

**Important Dates**

March 24 – Last day to withdraw from classes with the grade of “W”
April 25 – Last day of our class
May 2 – Final course activity, 1:00 pm