

## Chemistry 294 Course Syllabus Spring 2014

Course: Chem 294, General Chemistry lab assistant, 1 credits  
Term: Spring Semester, 2014  
Class Schedule: 2 hours/week by arrangement  
Text: none  
Instructor: Angie Bartholomay  
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E-mail: [angela.bartholomay@dakotacollege.edu](mailto:angela.bartholomay@dakotacollege.edu)  
Office Hours: Open, you may stop by at any time.

Course Content: The lab assistant experience in undergraduate chemistry laboratory, includes maintenance, laboratory preparation, grading, and assistant of students in laboratory experience under the direct supervision of faculty mentor.  
May be repeated for credit if content differs.

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

- work independently, responsibly, and efficiently to solve problems occurring in an laboratory setting.
- demonstrate clear oral and written communication skills.
- demonstrate an ability to prepare lab solutions
- perform routine laboratory procedures safely and efficiently.
- explain fundamental principles of chemistry to freshman students.
- demonstrate safety practices regarding laboratory and chemical storage.

Outline of Topics (approximate course time):

Variable: dependent on instructor and selected course content.

Grading: Grades will be based on total points using the following percentage system: 100-90, A; 89-80, B; 79-70, C; 69-60, D; <60.

Exams: Practical Exams pertaining to lab procedures and lab safety

Laboratory: The laboratory portion of the course provides an opportunity to integrate lecture concepts with observable activities. Chemical splash safety goggles are required and can be purchased at the bookstore. **Attendance in lab is mandatory.**  
**There are no excused absences.**

**General Education Goals/Objectives:** This course meets General Education Goal 1: Explains the interrelationships between chemistry and their environment and the role of science in their lives. Specific objectives include:

- 1) Demonstrates the application of the scientific method of inquiry (Objective #1).
- 2) Demonstrates an awareness of the role of science in everyday life (Objective #3)

**Relationship to Campus Theme:** This course addresses the campus theme by incorporating the role that chemistry plays in our everyday life and the impact it has on our natural world. In addition students will use technology to conduct labs as well as study how technology can be used in chemistry. The course will address the role of chemistry in their everyday life as well as in their future.

**Classroom Policies:**

Make-up: I will not allow make-up for missed exams unless prior arrangements have been made.

If you must be absent for a school related or family event, you are expected to make prior arrangements and take the exam prior to the event. .

Cell phone and related technology are prohibited in the classroom at all times. It is recommended that you do not bring your cell phone into the classroom or, at the very least, turn it off.

Be respectful of other students, technicians, instructors, and guests.

**Academic Integrity:** All students are expected to adhere to the highest standards of academic integrity. Dishonesty in the classroom or laboratory and with assignments, quizzes and exams is a serious offense and is subject to disciplinary action by the instructor and college administration. For more information, refer to the Student Handbook.

**Disabilities and Special Needs:** If you have a disability for which you need accommodations, you are encouraged to contact your instructor and the Learning Center (228-5479 or 1-888-918-5623) to request disability support services as early as possible during the beginning of the semester