

# General Chemistry 105X

## Syllabus

TITLE: General Chemistry I

NUMBER: 105X

CREDITS: 4

PREREQUISITES: Placement in WRTG F111X; placement in MATH F151X; or a B- or better in CHEM F103X; or permission of instructor and department.

COREQUISITE: CHEM F105L.

LOCATION: Online

COURSE TYPE: online asynchronous

INSTRUCTOR: Dr. Arianna Demmerly

OFFICE LOCATION: N/A

OFFICE HOURS: available on SLACK, Zoom office hours TBD

EMAIL ADDRESS: [ademmerly@alaska.edu](mailto:ademmerly@alaska.edu).

## COURSE GOALS

Supplementing the course catalog, the course goals are to continue to build the student's skills solving chemical problems, reading critically, formulating questions, completing laboratory experiments and communicating information assimilated throughout the course by completing exams. Class conduct should be professional as well as respectful of the rights of other students to constructive learning experience.

## STUDENT LEARNING OUTCOMES

As a result of successfully passing General Chemistry F105X, the student will be able to...

- (1) understand and use the scientific method for investigating problems,
- (2) understand the relationship between public policy and science, and
- (3) solve chemical problems related to the topics covered in this course.

## COURSE READINGS/MATERIALS

The following materials are required for the course and can be purchased in the UAF bookstore or elsewhere:

- *Chemistry: The Central Science* 3rd Ed. by Gilbert.  
Published by Norton & Company  
ISBN 978-0393697353
- Experiments in General Chemistry 105X: A Laboratory Manual  
(free! on Blackboard and updated weekly)
- A non-programmable non-graphing scientific calculator is required for each exam.  
The Department of Chemistry and Biochemistry does

## REQUIREMENTS FOR COURSE

Students must have regular access to a computer and the Internet to access online materials in Blackboard. Students will be expected to download course material as well as upload assignments.

## HOMEWORK

Homework problems are assigned using end of chapter questions from the textbook in coordination with Smartwork5. Homework assignments for the week will be available when the course opens and homework's due Tuesdays at 11:59 pm on the system clock.

It is recommended that students promptly register and log in to Norton through Blackboard as homework will be assigned within the first-class period. Please remember that Smartwork5 is a free software and has latency for updating scores. It is recommended that you wait 24 hours after the due date for your homework grade to show correctly. If you are having issues with homework or logging in to reach your assignments, then contact the Norton helpdesk at [support.wwnorton.com](http://support.wwnorton.com).

## WORKSHEETS AND ACTIVITIES

Worksheets and/or Activities are assigned based upon the chapter content and learning objectives. As such, some weeks contain activities, which involve interacting with a simulation or a video and then answering questions pertaining to that simulation or video. Worksheets are either BlackBoard auto graded problems or a docx/pdf that you will need to download and fill out before turning into Gradescope. These are due either on Sundays or Thursdays by 11:59 pm AKST.

Gradescope is a service that we provide for uploading your work. It allows for quick and efficient grading. Instructions for getting started will be provided in BlackBoard.

## INSTRUCTIONAL METHODS

Learning the topics presented in this course can be accomplished through several different methods. This will include reading the textbook, viewing the provided lecture series for each week, solving problems, completing worksheets and activities, participating in discussions, taking exams, and actively engaging in the laboratory component of the course. Learning the scientific method will be accomplished by performing the laboratory experiments, keeping a laboratory notebook and discussing results with your classmates in the discussion boards.

## COURSE POLICIES

### **Laboratory**

services; it's important to understand that the screen name you choose will be public to the world. If you do not wish to use your real name, we suggest using your university username (your login username for Blackboard or you may choose to use a nickname alias instead. Contact your instructor directly if you have questions or concerns.

## EVALUATION POLICIES

Grades will be posted to Blackboard, which can be accessed from the UAF homepage. Class grades will only be adjusted in favor of the students (ex: unfair questions on tests) Tentative Percentage and Letter Grades:

	Points	Grade Range	Letter Grade
Midterm	15%	100oæ	



listed. If your instructor has left overall assessment comments, Click on the speech bubble icon to view overall comments and feedback.

If the score is for a test or quiz, the title of the test is a link. Then click on the check mark or your score to see results and feedback.

If the score is for an assignment, the title of the assignment is a link and by clicking this link you'll be taken to your submission, grade and comments.

If you see a green exclamation point, your assignment has not been graded yet.

## EXPECTATION OF STUDENT EFFORT

Students should expect to spend 10-15 hours per week on this class. Students are expected to complete the weekly assignments by their due dates. If circumstances arise that cause you to need extra time on any assignment(s), email your instructor for guidance. Extensions of due dates may be granted, but your instructor expects to be informed in advance if you are not able to submit your assignment on time. (Emergency situations will be dealt with as needed.) Students are expected to maintain a working backup plan to be implemented in the event of a computer malfunction or interruption of their normal Internet connection.

academic advising, tutoring, library and academic support, disability services, computing and technology, veteran and military support, academic complaint and appeals, late withdrawals,