

NOTE to prospective students: This syllabus is intended to provide students who are considering taking this course an idea of what they will be learning. A more detailed syllabus will be available on the course site for enrolled students and may be more current than this sample syllabus.

CH 123 GENERAL CHEMISTRY

COURSE CREDITS:

(5) This course combines approximately 150 hours of instruction, online activities, and assignments for 5 credits.

PREREQUISITES, CO-REQUISITES AND ENFORCED PREREQUISITES:

(CH 122 or CH 222 or (CH 232 or CH 232H) and (CH 262 or CH 262H or CH 272)) or (CH 202 and CH 205) and CH 121, CH 122, CH 123 must be taken in order.

COURSE DESCRIPTION FROM CATALOG

A general chemistry sequence for students who have had no previous training in chemistry and for those whose college aptitude test scores indicate the need for a more elementary introduction to chemistry. Entering students are expected to have a working knowledge of high school algebra, logarithms, and scientific notation. Lec/lab/rec. (CH 122 and CH 123 are Bacc Core courses.)

Baccalaureate Core Course Attributes:
Core, Pers, Physical Science

For more information, contact: RICH CARTER, 153 GILB, 541-737-2081

CONTACT INFORMATION:

Instructor: Dr. Marita Barth Marita.Barth@oregonstate.edu

For accuracy, please check the [ECampus Schedule of Classes](#) to see the most current information for the instructor of this course each term. You can also search for instructor contact information by name from the OSU Home Page.

LEARNING RESOURCES:

NOTE: For textbook accuracy, please always check the textbook list at the [OSU Bookstore website](#). Sample syllabi may not have the most up-to-date information.

Students can also click the OSU Beaver Store link associated with the course information in the [Ecampus schedule of classes](#) for course textbook information and ordering.

COURSE SPECIFIC MEASURABLE STUDENT LEARNING OUTCOMES:

1. Recognize and apply concepts and theories of basic physical or biological sciences.
2. Apply scientific methodology and demonstrate the ability to draw conclusions based on observation, analysis, and synthesis.
3. Demonstrate connections with other subject areas.

COURSE CONTENT AND POLICIES:

Course description:

In this course, students will acquire a fundamental understanding of chemical reactions and scientific measurements, and become familiar with the principles, laws, and equations governing our understanding of chemical combination. Each student will be able to competently discuss concepts and solve problems relating to: acid/base equilibria, buffers, acid/base titrations, principles of entropy and thermodynamics, electrochemistry, nuclear chemistry, and basic organic chemistry (nomenclature and reactions).

Time requirements:

Success in this course often depends on the amount of time devoted to studying the material. This is a 5-credit course, and each credit is meant to reflect about 30 hours of effort.

Participation:

Participation during the entire term is important to success in this class. Students who have not logged in to Blackboard by the *second Wednesday of the term* **will be dropped from the class**. Students with extenuating circumstances must email the instructor before this date.

This course is offered through Oregon State University Extended Campus. For more information, contact:
Web: ecampus.oregonstate.edu **Email:** ecampus@oregonstate.edu **Telephone:** 800-667-1465

Course Content:

- 15 Acids and Bases
- 16 Aqueous Ionic Equilibrium
- 17 Free Energy and Thermodynamics
- 18 Electrochemistry
- 19 Radioactivity and Nuclear Chemistry
- 20 Organic Chemistry

EVALUATION OF STUDENT PERFORMANCE:

Exams: The midterm and final exams **require a proctor**. Your proctor must be registered with ECampus; you should set this up as soon as possible, or you will not be able to take your exams.

Info about acceptable proctors and a proctor registration form can be found at:

<http://ecampus.oregonstate.edu/services/proctoring>.

If you do better on the final (as a percentage) than on the midterm exam, only the score for the final will be counted. In this case, it will be scaled to a score of 300 points for your "Exams" score. This scoring method rewards improved performance; it will happen automatically without any action from you.

Grading: Your point total is obtained by adding points from the exams, online homework, quizzes, and labs. These component point totals are indicated in the following table:

Component	Points
Midterm	100
Final	200
Homework	75
Quizzes	25
Labs	75
Total	475

Remember that your midterm may be counted or not, depending on your final exam score.

Your course grade is determined entirely from the total number of points accumulated. The following table provides the minimum number of points required to earn specific letter grades.

Grade	Points	%
A	437	92%
A-	428	90%
B+	418	88%
B	390	82%
B-	380	80%
C+	371	78%
C	342	72%
C-	333	70%
D+	323	68%
D	295	62%
D-	285	60%
F	Less than 285	

STATEMENT REGARDING STUDENTS WITH DISABILITIES

Oregon State University is committed to student success; however, we do not require students to use accommodations nor will we provide them unless they are requested by the student. The student, as a legal adult, is responsible to request appropriate accommodations. The student must take the lead in applying to Disability Access Services (DAS) and submit requests for accommodations each term through DAS Online. OSU students apply to DAS and request accommodations at our [Getting Started with DAS](#) page.

Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but who have not yet obtained approval through DAS should contact DAS immediately at 541-737-4098.

ACADEMIC INTEGRITY AND STUDENT CONDUCT (OSU POLICY)

Students are expected to be honest and ethical in their academic work. Intentional acts of academic dishonesty such as cheating or plagiarism may be penalized by imposing an “F” grade in the course.

Student conduct is governed by the universities policies, as explained in the Office of the Dean of Student Life: Student Conduct and Community Standards. In an academic community, students and faculty, and staff each have responsibility for maintaining an appropriate learning environment, whether online or in the classroom. Students, faculty, and staff have the responsibility to treat each other with understanding, dignity, and respect.

Students are expected to conduct themselves in the course (e.g. on discussion boards, email postings) in compliance with the university's regulations regarding civility. Students will be expected to treat all others with the same respect as they would want afforded to themselves. Disrespectful behavior (such as harassing behavior, personal insults, inappropriate language) or disruptive behaviors are unacceptable and can result in sanctions as defined by the Student Conduct and Community Standards.

For more info on these topics please see:

- [Statement of Expectations for Student Conduct](#)
- [Student Conduct and Community Standards - Offenses](#)
- [Policy On Disruptive Behavior](#)

PLAGIARISM

You are expected to submit your own work in all your assignments, postings to the discussion board, and other communications, and to clearly give credit to the work of others when you use it. Academic dishonesty will result in a grade of "F."

- [Statement of Expectations for Student Conduct](#)
- [Avoiding Academic Dishonesty](#)

TECHNICAL ASSISTANCE:

If you experience computer difficulties, need help downloading a browser or plug-in, assistance logging into the course, or if you experience any errors or problems while in your online course, contact the OSU Help Desk for assistance. You can call (541) 737-3474, email osuhelpdesk@oregonstate.edu or visit the [OSU Computer Helpdesk](#) online.

TUTORING

For information about possible tutoring for this course, please visit our [Ecampus NetTutor](#) page. Other resources include:

- [Writing Center](#)
- [Online Writing Lab](#)

STUDENT EVALUATION OF TEACHING

We encourage you to engage in the course evaluation process each term – online, of course. The evaluation form will be available toward the end of each term, and you will be sent instructions through ONID. You will login to “Online Services/MyOSU” to respond to the online questionnaire. The results on the form are anonymous and are not tabulated until after grades are posted. Course evaluation results are very important and are used to help improve courses and the learning experience of future students. Results from questions are tabulated anonymously and go directly to instructors and unit heads/supervisors. Unless a comment is “signed,” which will associate a name with a comment, student comments on the open-ended questions are anonymous and forwarded to each instructor. “Signed” comments are forwarded to the unit head/supervisor.