

Eastern Oregon University
Course Syllabus

Number of Course: CHEM 101

Name of Course: Introduction to General Chemistry

Catalog Description: Service and general education course covering basic principles of general chemistry. Designed for students without previous chemistry experience. Lab required.

Credit Hours: 4

Required Texts or Suggested Materials:

Are available at: <http://eou.bncollege.com/>

Prerequisites: MATH 095 (or equivalent, may be taken concurrently)

Learning Outcomes:

-Three general learning outcomes will be addressed in this course: critical thinking, inquiry, and content knowledge.

1) Students will develop both problem solving and critical thinking skills, and they will use these skills to solve problems utilizing chemical principles.

2) Students will learn and apply the method of inquiry used by chemists to solve chemical problems.

3) Students will gain an appreciation of the scientific discipline of chemistry and the principles used by chemists to solve complex problems.

Course Requirements:

Calculator

This is essential for homework problems and exams. All students must own and be able to operate a basic calculator. Sharing of calculators will not be permitted. Graphing/programmable calculators will be permitted (Cell phone calculators, ipods, tablets, laptops, etc. will not be permitted).

Laboratory Reports

- The lab experiments will be discussed briefly on the Monday prior to lab, so review your lab packet.

- Laboratory Reports will be due following the completion of lab.

- Late reports will not be accepted.

- Laboratory attendance is mandatory. Due to scheduling conflicts, makeup labs cannot be given. Although lab reports make up a relatively small fraction of the total points, failure to complete a lab will result in a point deduction equivalent to missing an exam.

-All laboratory experiments must be completed for full credit.

Grading Policies:

- 1-2 hr. exams = $100 \times 2 = 200$ points

- 1 final exam = $150 \times 1 = 150$ points

- 5 HW assignments = $5 \times 20 = 100$ points

- 9 Labs = $9 \times 15 = 135$ points

- Number grades for the class will be determined by the point total accumulated from the 585 possible points.

-*Extra credit opportunities may also become available – any extra credit will be announced in class and posted in Canvas. Grading Scale:

100 – 90 = A

87 – 89 = B+

84 – 86 = B

83 – 80 = B-

79 – 77 C+

76 – 74 = C

73 – 70 = C-

69 – 67 = D+

66 – 64 D

63 – 60 = D-

Means of Assessment:

-Learning outcome #1: Students will be required to demonstrate their problem solving and critical thinking skills. They will also be required to apply chemical principles to solve certain problems. Students will be assessed based on their performance on two mid-term exams and homework assignments

(CRITICAL THINKING, CONTENT KNOWLEDGE).

-Learning outcome #2: Students will be required to apply the scientific method in the laboratory. They will also gain an appreciation and understanding of some of the techniques utilized by chemists in the laboratory to gain understanding. They will be assessed based on their performance in the laboratory, specifically their ability to apply the scientific method and execute laboratory techniques to answer questions (INQUIRY, CONTENT KNOWLEDGE).

-Learning outcome #3: Students will be required to demonstrate their overall content knowledge based on a cumulative final examination (CONTENT KNOWLEDGE).

Brief Outline of Course:

Exams

- Exam questions involve quantitative calculations, problem solving, fill-in the blanks, multiple choice and short answer definitions and descriptions.
- Content of exam questions will draw heavily on homework problems and lecture.
- Partial credit will be given at the discretion of the grader.
- The final exam will be cumulative. You are expected to know everything that was covered in class or in the text for the sections that we discuss.
- Please bring photo ID to the exams.
- Bring a calculator.
- No make-up exams will be given!
- You may not take out or use any cell phone, ipod or similar device during any exam, make sure it is turned off and out of sight.
- All exams begin promptly at 11 am; you will be given 50 minutes to complete them.

Homework

- Homework will be given in class and posted in Canvas. Approximately one week will be given for completion of each assignment. Homework must be turned in by 5:00 pm on the date that it is due.
- Homework makes up a significant portion of your grade, and is good for exam preparation, do it!
- Students are encouraged to work together; however, each student must turn in their own unique homework answers.
- Late homework will not be accepted. Answers that are illegible and/or turned in using fragmented sentences with improper grammar will be marked 0.

- Homework answer keys will be posted in Canvas after all of the assignments have been turned in.

General Education Category and Outcomes:

- 1) Critical Thinking
- 2) Inquiry
- 3) Content Knowledge

University Writing Requirement Outcomes:

Writing Center Statements:

For on-campus courses

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU's undergraduate and graduate students who are writing for any course at any level, or who are writing resumes, job letters, graduate applications, and more. Go to eou.mywconline.com to schedule an appointment in the Writing Center (Loso Hall 234).

For online or on-site courses

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU students writing for any undergraduate course. Go to [EOU's eTutoring page](#) to submit a paper to a writing tutor.

For graduate courses

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU students writing for any graduate course. Go to [EOU's eTutoring page](#) to submit a paper to a writing tutor. Click on [Graduate Students How To](#) for information about tagging your submission.

Classroom Decorum:

Academic Misconduct Policy:

Eastern Oregon University places a high value upon the integrity of its student scholars. Any student found responsible for an act of academic misconduct (including but not limited to cheating, unauthorized collaboration, fabrication, facilitation, plagiarism or tampering) may be subject to having his or her grade reduced in the course in question, being placed on probation or suspended from the University, or a combination of these. (Please see the Student Handbook online at <http://www.eou.edu/sse/student-handbook/>).

Accommodations/Students with Disabilities policy:

Any student who feels he or she may need an accommodation for any type of disability, must contact the Disability Services Office in Loso Hall, Room 234. Phone: 541-962-3081.

Disclaimer:

This standard syllabus provides only general information on the course. For those enrolled in the course a detailed syllabus will be provided by the Instructor at the beginning of the term. Please keep in mind that not all courses are offered every year. Consult Webster for scheduling information.

Date: 2018