**General Chemistry I, CHEM 105**  
**Summer 2020, Session 2**

**Instructor:** Dr. Bryn Lutes (pronouns: she/hers)  
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**Details of contact:** I check email daily and generally respond the same day and at most within 24 – 36 hours. I respond to Canvas posts within 24 - 48 hours.

**Lecture:** Pre-recorded video lectures and synchronous help and problem-solving sessions.

**Course Description**  
First-semester general chemistry provides an introduction to the systematic treatment of fundamental chemical principles and their applications. The course begins with and then builds upon atomic and molecular theories to develop an understanding of laws of chemical combination, periodic classification of the elements, and properties of gases, liquids, and solids. It is a prerequisite for General Chemistry II and is designed to prepare students for success in future chemistry courses. 3 credits

**Required Materials**  
**THERE IS NO REQUIRED TEXTBOOK FOR THIS COURSE.**

Your major resource in this class will be the notes you take on the lecture videos. Lecture videos will contain all of the information you need for the course.

Suggested readings are a great way to supplement your understanding by seeing a presentation of the material in a different “voice” from that of the instructor. Course readings will be referenced according the following OER (Open Educational Resource), which can be viewed online, in pdf, or ordered as a hard copy.

“Chemistry”, 2nd Edition  
https://openstax.org/details/books/chemistry-2e?Book%20details

The following textbook is available in the bookstore and is an excellent reference.

“Chemistry –The Science in Context” (5th edition), Gilbert, T et. al.  
Publisher: W.W. Norton & Company, Inc.

This textbook is a highly readable chemistry text and useful reference that can be found as a used version.

Publisher: Pearson

**Non-Programmable calculator**  
The preferred models are:  
• TI-30 XS Multiview  
• TI-34 Multiview
These 2-line calculators are also acceptable:
• TI-30Xa
• TI-30X IIs (solar)
• TI-36X

The TI-30XS-PRO and the TI-36X-PRO are NOT allowed. No exceptions will be granted.

These are all non-programmable, non-graphing calculators. They are available from the WU bookstore, and also from (among other places) Walgreens, office supply stores, and Amazon.

I do realize that you can easily use any calculator you’d like since this course is operating remotely. However, you are required to show your work on all calculation problems. If you use a programmable calculator that solves the problem for you, you run the risk of losing many points on your graded work as a result.

Course Structure
This course is an online course. It is recommended that you review the questions at https://ucollege.wustl.edu/programs/online/is-online-for-me to determine if an online course is a good fit for you.

You will need proficiency with sending and receiving email, downloading and uploading files, playing videos, creating a PowerPoint slide, and recording and uploading videos. Specific instructions for many of these tasks will be provided, but you will need to be comfortable working on a computer and have regular, daily access to the internet.

All materials for the course and communications will be on the University’s Learning Management System.

**IT IS YOUR RESPONSIBILITY TO KEEP UP WITH INFORMATION POSTED ON CANVAS**