

# Chem 1105

## Virtual Lab

### Spring 2022

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## Instructor: Dr. Steven King

Email: [steven.king@angelo.edu](mailto:steven.king@angelo.edu)

Phone: 325-486-6625

Office: CAV 214B

**Office Hours:** **Office Hours:** MTWTR 1:00 pm – 2:00 pm, use Collaborate in Blackboard or by appointment.

## Course Information

### Course Description

A survey of the fundamentals of chemistry. An introduction to organic and physiological chemistry and a survey of the chemistry of environmental systems.

### Prerequisite and Co-requisite Courses

none

### Prerequisite Skills

Accessing Internet websites and using Basic Algebra.

### Student Learning Outcomes

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

- Analyze complex problems and draw logical conclusions.
- Employ mathematics in the analysis of chemical problems

### Course Delivery

This is an online course that will be delivered via [Blackboard](#). **Error! Bookmark not defined.** If you choose, you can complete this course without visiting the ASU campus.

Please refer to this [Health and Safety web page](#)**Error! Bookmark not defined.** for updated information about campus guidelines as they relate to the COVID-19 pandemic.

## Required Texts and Materials

Introduction to Chemistry, 5<sup>th</sup> Edition  
Bauer • Bink • Marks  
Scientific Calculator

## Technology Requirements

To successfully complete this course, students need register for Virtual Lab using the link provided in Blackboard. There is no cost for the lab course. Use the code number:

**ARYZ-R7ML-HL3W-M2FY-4P1D**

## Communication

**Email is the preferred form of communication.**

I will respond to email Monday through Friday up to 9 pm and any received later will be answered the next morning. Weekend messages may not be returned until Monday.

**Written communication via email:** All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to me, include the course section number in your subject line.

**Virtual communication:** Office hours may be done with the assistance of the telephone or the Collaborate in Blackboard.

## Grading

### Evaluation and Grades

Course grades will be determined as indicated in the table below.

Assessment	Percent of Total Grade
Virtual Labs	100

## Grading System

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

- A = 90.00-100 points
- B = 80.00-89.99 points
- C = 70.00-79.99 points
- D = 60.00-69.99 points
- F = 0-59.99 points

## Assignment and Activity Descriptions

All Virtual Labs have due dates assigned and will not be accepted after due date has passed. Ample time will be allotted for each activity to be completed.

## General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)<sup>1</sup>
- [Angelo State University Catalog](#)<sup>2</sup>

## Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university's [Statement of Academic Integrity](#).<sup>3</sup>

## Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at [ADA@angelo.edu](mailto:ADA@angelo.edu). For more information about the application process and requirements, visit the [Student Disability Services website](#).<sup>4</sup> The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
[dallas.swafford@angelo.edu](mailto:dallas.swafford@angelo.edu)  
Houston Harte University Center, Room 112

## **Incomplete Grade Policy**

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 [Grading Procedures](#)<sup>5</sup> for more information.

## **Plagiarism**

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)<sup>6</sup> in the Student Handbook. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the [ASU Writing Center](#).<sup>7</sup>

## **Student Absence for Observance of Religious Holy Days**

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for [Observance of Religious Holy Day](#)<sup>8</sup> for more information.

## **Title IX at Angelo State University**

The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU's Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Miller, J.D.

Special Assistant to the President and Title IX Coordinator

Mayer Administration Building, Room 210

325-486-6357

[michelle.boone@angelo.edu](mailto:michelle.boone@angelo.edu)

**You may also [file a report online](#)<sup>9</sup> 24/7.**

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information, visit the [Title IX website](#).<sup>10</sup>

## **Information About COVID-19**

Please refer to ASU's [COVID-19 \(Coronavirus\) Updates](#)<sup>11</sup> web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

## **Modifications to the Syllabus**

This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.

# COURSE SCHEDULE

Week	Virtual Lab	Start Date	Due Date	
Jan 17	Lab Safety	Jan 17	Jan 23	
Jan 17	Virtual Lab Tutorial	Jan 17	Jan 23	
Jan 17	Scientific Method	Jan 17	Jan 30	
Jan 24	Metric Length	Jan 24	Jan 30	
Jan 24	Metric Temp	Jan 24	Jan 30	
Jan 24	Metric Volume	Jan 24	Jan 30	
Jan 24	Metric Mass	Jan 24	Jan 30	
Jan 31	Density	Jan 31	Feb 6	
Feb 7	Blood Typing	Feb 7	Feb 13	
Feb 14	Diffusion	Feb 14	Feb 20	
Feb 21	Standardization Sodium Hydroxide	Feb 21	Feb 27	
Feb 28	Titration Vinegar	Feb 28	Mar 6	
Mar 7	Blood Glucose	Mar 7	Mar 13	
Mar 14	Spring Break			
Mar 21	Stoichiometry	Mar 21	Mar 27	
Mar 28	Spectrometry	Mar 28	Apr 3	
Apr 4	Reaction in solution	Apr 4	Apr 10	
Apr 11	Calorimetry	Apr 11	Apr 17	
Apr 18	Kinetics	Apr 18	Apr 24	

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- 1 <https://www.angelo.edu/current-students/student-handbook/>
  - 2 <https://www.angelo.edu/academics/catalog/>
  - 3 <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96>
  - 4 <https://www.angelo.edu/current-students/disability-services/>
  - 5 <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>
  - 6 <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96>
  - 7 [https://www.angelo.edu/current-students/writing-center/academic\\_honesty.php](https://www.angelo.edu/current-students/writing-center/academic_honesty.php)
  - 8 [https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-](https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)  
[of](#)
  - 9 <http://www.angelo.edu/incident-form>
  - 10 <https://www.angelo.edu/title-ix>
  - 11 <https://www.angelo.edu/covid-19/>