

Chem 1105

Virtual Lab



Instructor: Dr. Steven King

Email: 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, 5th 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](#)¹
- [Angelo State University Catalog](#)²

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](#).³

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. For more information about

the application process and requirements, visit the [Student Disability Services website](#).⁴
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
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](#)⁵ for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)⁶ 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](#).⁷

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](#)⁸ 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

You may also [file a report online](#)⁹ 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](#).¹⁰

Information About COVID-19

Please refer to ASU's [COVID-19 \(Coronavirus\) Updates](#)¹¹ 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	
Aug 23	Lab Safety	Aug 23	Aug 29	
Aug 23	Virtual Lab Tutorial	Aug 23	Aug 29	
Aug 23	Scientific Method	Aug 23	Sep 5	
Aug 30	Metric Length	Aug 30	Sep 5	
Aug 30	Metric Temp	Aug 30	Sep 5	
Aug 30	Metric Volume	Aug 30	Sep 5	
Aug 30	Metric Mass	Aug 30	Sep 5	
Sep 6	Density	Sep 6	Sep 12	
Sep 13	Blood Typing	Sep 13	Sep 19	
Sep 20	Diffusion	Sep 20	Sep 26	
Sep 27	Standardization Sodium Hydroxide	Sep 27	Oct 3	
Oct 4	Titration Vinegar	Oct 4	Oct 10	
Oct 11	Blood Glucose	Oct 11	Oct 17	
Oct 18	Stoichiometry	Oct 18	Oct 24	
Oct 25	Spectrometry	Oct 25	Oct 31	
Nov 1	Reaction in solution	Nov 1	Nov 7	
Nov 8	Calorimetry	Nov 8	Nov 14	
Nov 15	Kinetics	Nov 15	Nov 21	

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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
 - 8 <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>
 - 9 <http://www.angelo.edu/incident-form>
 - 10 <https://www.angelo.edu/title-ix>
 - 11 <https://www.angelo.edu/covid-19/>