

Brazosport College

Syllabus for CHEM 1105 – Introductory Chemistry Laboratory (Online)

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I. COURSE DESCRIPTION:

CHEM 1105 - Introductory Chemistry Laboratory. CIP 4005015103

Credit in CHEM 1305 as a laboratory science is contingent upon successful completion of CHEM 1105. **Credit Hours:** 1 (0 lecture, 2 lab)

January 2022

- A. Prerequisite:** Successful completion of, or concurrent enrollment in CHEM 1305.
Required skill level: College-level reading and writing. College-level with corequisite (placement code 3).

II. COURSE OBJECTIVES

This course is designed to help the student master laboratory experiments associated with CHEM 1305:

1. The laboratory exercises should give the student practice in making observations based on the experiments.
2. The student should learn to write reports that are based on observations that were made and to draw conclusions that are supported by the observations.

III. STUDENT LEARNING OUTCOMES

1. Students will be able to follow experimental procedures as described in the laboratory manual to perform chemical procedures, reactions, and calculations.
2. Students will successfully carry out all of the experiments as described in the above course objectives.
3. Students will have a grade of C or better for the course.

IV. TEXTBOOK OR COURSE MATERIAL INFORMATION

1. The lab manual is posted in [Desire2Learn](#).
2. Any calculator labeled "scientific" is sufficient. (required)
3. Visorgogs or safety goggles, must meet ANSI Z87.1-1989 certification. (required)

Required course materials are available at the Brazosport College bookstore, on campus or online at <http://brazosport.edu/bookstore/home.html>. Students are not under any obligation to purchase a textbook from the college bookstore. The same textbook is/may also be available from an independent retailer, including an online retailer.

For Distance Education Courses include the following: Contact the Brazosport College Bookstore with a credit card for course materials. Phone: 979-230-3651. Fax: 979-230-3653. Email: bookstore@brazosport.edu Website: <http://brazosport.edu/bookstore/home.html>

Orientation Meeting: The orientation for Chemistry 1105.40 will be online at <https://online.brazosport.edu>. All students are required to become familiar with the material in this web page.

Introduction:

CHEM 1305 - Introductory Chemistry, Internet Section, is offered as an online learning class using a combination of the internet and a textbook. Brazosport College is pleased to welcome to this course students from the Virtual College of Texas, as well as students from the Brazosport area. The online section of CHEM 1305 is designed to replace the traditional lecture section of CHEM 1305. To complete the course, you must also be enrolled in the lab section of the course, either CHEM 1105L.40, the internet lab section, which is a home-based lab, or the traditional CHEM 1105L, which is held on campus.

If you are a Brazosport College student, you have the option of choosing either the traditional lab section which meets on campus once a week, or the take-home lab section. For Virtual College students, you are automatically registered for the home-based lab.

The home-based lab consists of a series of experiments to be performed each week using materials commonly found in your kitchen, bathroom, and other places around your home. You will perform an experiment, record observations, and then answer questions and draw conclusions based on your data.

VCT students – To pass the course, you must successfully complete the laboratory portion with a grade of D or better.

Connecting To The Online Class:

Access the course by going to: <https://online.brazosport.edu/index.asp>

To prepare for online learning, please go to the [online tutorials](#) which will help you to get started. For help with login to Desire2Learn, email your problems to helpdesk@brazosport.edu.

B. Course Outline

This is a sample outline which may vary with individual instructors. It will also vary based on whether the course is a summer course or a fall/spring course. Students should contact their instructor for the outline of the course they are taking.

Week	Date	Lab*
1	8/30	Read "Lab Rules" and sign Lab Safety Regulations
2	9/6	Exp. 1 - Observations
3	9/13	Exp. 2 - Scientific Method
4	9/20	Exp. 3 - Mixtures and Pure Substance
5	9/27	Exp. 4- Gluep
6	10/4	Exp. 5 – Kinetic Molecular Theory
7	10/11	Exp. 6 - Stoichiometry
8	10/18	Exp. 7 – Oxidation Reduction
9	10/25	Fall Break
10	11/1	Exp. 8 – Preparation of an Element
	11/8	Last Day to Withdraw
11	11/8	Exp. 9 - Kinetics
12	11/15	Exp. 10 – Acids and Bases
13	11/22	No Lab
14	11/23	No Lab
15	11/29	End of Semester

*Lab assignments are due the following Monday. In other words, the assignments for the first week of classes are due on Monday of the second week of classes.

Important Semester Dates:

Last Day to Withdraw from Classes– Check BC Calendar:

<http://catalog.brazosport.edu/index.php>

Office Hours:

For fulltime faculty, office hours may change from semester to semester. Current faculty office hours are included on the syllabus, see link: <https://brazosport.edu/faculty-and-staff/resources/course-syllabi-instructor-information/>

For an adjunct faculty, no office hours are required, and they are not assigned an office. To set up an appointment with an adjunct, contact the instructor as per the email address on the syllabus, see link: <https://brazosport.edu/faculty-and-staff/resources/course-syllabi-instructor-information/>

V. LAB REQUIREMENTS

1. Visorgogs or safety goggles, must meet ANSI Z87.1-1989 certification.
 - a) **Lab Report Format:** The format of the report can be found in D2L, under the “Content” tab, under the assignments for week 1.
 - b) **Submitting Your Work:** Laboratory reports are submitted as an attached document in the Desire2Learn "Dropbox". This is the only method of submitting your lab report.
 - c) **Due Dates:** Assignments are due the following Monday. In other words, the assignments for the first week of classes are due on Monday of the second week of classes.
 - Online submissions through D2L's “Dropbox” are active until midnight, Monday
 - d) **Late Submission Policy:** You can turn in 2 lab assignments up to one week late with no penalty. Any assignment over one week late will be penalized.

VI. STUDENTS WITH DISABILITIES

Brazosport College is committed to providing equal education opportunities to every student. BC offers services for individuals with special needs and capabilities including counseling, tutoring, equipment, and software to assist students with special needs. For student to receive any accommodation, documentation must be completed in the Office of Disability Services. Please contact Phil Robertson, Special Populations Counselor at 979-230-3236 for further information.

VII. TITLE IX STATEMENT

Brazosport College faculty and staff are committed to supporting students and upholding the College District’s non-discrimination policy. Under Title IX and Brazosport College’s policy FFDA (Local), discrimination based on sex, gender, sexual orientation, gender identity, and gender expression is prohibited. If you experience an incident of discrimination, we encourage you to report it. While you may talk to a faculty or staff member at BC, please understand that they are “Responsible Employees” and must report what you tell them to college officials. You can also contact the Title IX Coordinators directly by using the contact information below.

Additional information is found on the Sexual Misconduct webpage at www.brazosport.edu/sexualmisconduct.

Alex Crouse, Director of Student Life and Title IX Coordinator
979-230-3355; alex.crouse@brazosport.edu

Mareille Rolon, HR Coordinator and Deputy Title IX Coordinator
979-230-3303; mareille.rolon@brazosport.edu

VIII. ACADEMIC HONESTY

Brazosport College assumes that students eligible to perform on the college level are familiar with the ordinary rules governing proper conduct including academic honesty. The principle of academic honesty is that all work presented by you is yours alone. Academic dishonesty including, but not limited to, cheating, plagiarism, and collusion shall be treated appropriately

Academic dishonesty violates both the policies of this course and the Student Code of Conduct. In this class, any occurrence of academic dishonesty will be referred to the Dean of Student Services for prompt adjudication, and may, at a minimum, result in F, in this course. .Sanctions may be imposed beyond your grade in this course by the Dean of Student Services. It is your responsibility to know and understand the student code of conduct with regard to scholastic honesty, as well as the consequences for a breach of conduct. If you cheat on an exam, you will receive an "F" for the class. Please refer to the Brazosport College Student Guide for more information. This is available online at <http://brazosport.edu/students/for-students/student-services/>.

IX. ATTENDANCE AND WITHDRAWAL POLICIES

Class attendance contributes to your final grade, but you must attend class to successfully complete the course. If you are unable to complete this course, you must complete and submit a withdrawal form with the registrar's office. If the student decides to drop out of the class, it is the responsibility of the student to initiate a withdrawal before the withdrawal deadline in order to get a "W" on their transcript. If this is not done the student will receive a grade based on test grades and class grades earned during their attendance and absence (i.e., zeros on all missed materials, exams, skills tests, and final exam). If you stop participating on-line and do not withdraw, you will receive a performance grade, usually an "F".

X. COURSE REQUIREMENTS AND GRADING POLICY

A. Grading

Your laboratory grade will be based on an average of 10 experiments. To successfully complete the course, you must complete the course with a C or better grade.

Grades are assigned as follows:

Grade	Final Average
A	90-100
B	80-89
C	70-79
D	60-69

F	Below 60
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XI. STUDENT CONDUCT STATEMENT

Students are expected to be aware of and follow the Brazosport College Student Code of Conduct. Students have violated the Code if they “fail to comply with any lawful directions, verbal or written, of any official at BC.” Lawful directions include precautions and requirements taken to prevent the spread of COVID-19 at Brazosport College. Students who do not follow safety requirements, including the wearing of a mask, may be removed from class by their instructor and referred to the Dean of Student Services.

XII. CAMPUS CLOSURE STATEMENT

Brazosport College is committed to the health and safety of all students, staff, and faculty and adheres to all federal and state guidelines.

The College intends to stay open for the duration of the semester and provide access to classes and support services on campus in the safest way possible. The College will also comply with lawful orders given by applicable authorities, including the Governor of Texas, up to and including campus closure. It is possible that on campus activities may be moved online and/or postpone if such orders are given.

XIII. STUDENT RESPONSIBILITIES

Students are expected to fully participate in this course. The following criteria are intended to assist you in being successful in this course:

1. Understand the syllabus requirements
2. Use appropriate time management skills
3. Communicate with the instructor
4. Complete course work on time, and
5. Utilize online components (such as Desire2Learn) as required.

XIV. OTHER STUDENT SERVICES INFORMATION

Information about the Library is available at <http://brazosport.edu/students/for-students/places-services/library/about-the-library/> or by calling 979-230-3310.

For assistance with online courses, an open computer lab, online and make-up testing, audio/visual services, and study skills, visit Learning Services next to the Library, call 979-230-3253, or visit <http://brazosport.edu/students/for-students/places-services/learning-services/>

For drop-in math tutoring, the writing center, supplemental instruction and other tutoring including e-tutoring, visit the Student Success Center, call 979-230-3527, or visit <http://brazosport.edu/students/for-students/student-success-center/math-center/>

To contact the Physical Sciences and Process Technologies Department call 979.230.3618.

The Student Services provides assistance in the following:

Counseling and Advising 979-230-3040

Financial Aid	979-230-3294
Student Life	979-230-3355

To reach the Information Technology Department for computer, email, or other technical assistance call the Helpdesk at 979-230-3266.



Get the information you need – when you need it. Click <http://geni.us/BRAZO> to install **BC Connect** on your mobile device to receive reminders, explore careers, map your educational plan, be in the know about events, find out about scholarships, achieve your goals and much more.