<table>
<thead>
<tr>
<th>EXP</th>
<th>DATE</th>
<th>ACTIVITY</th>
<th>DUE</th>
<th>COMMENTS</th>
<th>CALC[C]/ QUES[Q]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 SEP 10</td>
<td>CHECK-IN &amp; EXP 1 [Basic Lab Operations]</td>
<td>Quiz 1</td>
<td>Skip Part (B) Demonstrate: Mass/Read Meniscus</td>
<td>C Trial 1: D=M/V [Q] 4,5,6</td>
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<tr>
<td>2 SEP 17</td>
<td>EXP 7 [Empirical Formulas]</td>
<td>Quiz 7 Report 1</td>
<td>Skip (C &amp; D)</td>
<td>C 1-8, 11 [Q] 1,2,4</td>
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<tr>
<td>3 SEP 24</td>
<td>EXP 8 [Limiting Reactant]</td>
<td>Quiz 8 Report 7</td>
<td>---</td>
<td>C ALL [Q] 1-6, 8</td>
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<tr>
<td>4 OCT 1</td>
<td>EXP 28 [Chemistry of Copper]</td>
<td>Quiz 28 Report 8</td>
<td></td>
<td>C ALL [Q] 1-7</td>
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<tr>
<td>8 OCT 29</td>
<td>EXP 13 [Calcium Carbonate]</td>
<td>Quiz 13 Report 9</td>
<td>*Use Appendix C</td>
<td>C Handout [Q] 1,3,4</td>
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<tr>
<td>9 NOV 5</td>
<td>EXP 25 [Calorimetry] (Use Rods)</td>
<td>Quiz 25 Report 13</td>
<td>Part B - Use HCl Skip (C) Excel Graph</td>
<td>C All A &amp; B Trial 1</td>
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</table>

DROP DEADLINE ➔ WED NOV 13  STUDY DAY ➔ DEC 5
**GRADE:**

<table>
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<tr>
<th>Grade</th>
<th>89.5-100</th>
<th>79.5-89.4</th>
<th>69.5-79.4</th>
<th>59.5-69.4</th>
<th>Below 59.4</th>
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<tr>
<td>Report &amp; Technique</td>
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<td>Final Exam</td>
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</tr>
<tr>
<td>Presentation/Helper</td>
<td></td>
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<td></td>
<td>5%</td>
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</table>

*Drop Lowest Lab Report grade if overall class averages are below 80%.*

**PREREQUISITE:** CHEM 1311 (minimum grade of D) or may be taken concurrently.

**2 Mandatory Safety Quizzes:**

1. View “Video on Safety” and take CHEM 1111 Blackboard “Safety Quiz 1” and pass it with an 80 or higher. **There is a deadline.**

2. Take the online Environmental Health and “Safety Quiz 2” by Michelle Guglielmo.

**CHEM 1111 GENERAL CHEMISTRY LAB I** FALL, SPRING, SUMMER

An introduction to basic laboratory techniques using experiments to understand chemical concepts of reactions, stoichiometry and titrations.

**Student Learning Outcome for General Chemistry after completing 8 hour block:**

1. To understand and apply method and appropriate technology to the study of natural sciences.
2. To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
3. To identify and recognize the differences among competing scientific theories.
4. To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.
5. To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

**Learning Objectives for Core Curriculum Requirements**

This course meets 1 hour of the core requirement for Integrative and Experiential Learning Courses (up to 3 hours from science labs) in this category involve interdisciplinary topics or approaches and/or learning through direct experience. Science Labs (maximum 3 hours; offered in conjunction with science courses listed in the Life and Physical Sciences component area).

**NOTICE:** Students will **Not** be allowed into Lab if they are **Not** on time.

**LAB REQUIREMENTS:**

- **PPE (Personal Protective Equipment):** Worn at **ALL** times.
  - Safety Glasses/Goggles – Can be worn over prescription glasses. No contact lenses.
  - Lab Coat – Non-flammable garments. NO synthetic fibers or loosely woven natural fibers.
  - Closed-Foot Shoes - Footwear should NOT readily absorb chemicals during a chemical spill.
  - Long Pants – No part of the legs should be exposed. (No Leggings, Jeggings, Yoga pants, Capris, or Shorts).
- **Blackboard** is Your Responsibility. If you are not on Blackboard – Submit a Helpdesk Ticket at utrgv.edu/colthelp or call (956) 665-5327.
- NO food, drink (water bottle), or Gum allowed. NO horseplay or unauthorized experiments.
- **Students in violation of Safety regulations will NOT be allowed in Lab!**

→ If you allow your Lab partner to work without PPE, you will both be removed from Lab and will not receive credit for experiment! **We are ALL responsible for Safety!**

**"Maintain A Clean Lab at ALL times – Benchtops, Sinks, Balances, Waste Containers"**
Report & Lab Technique 45%

REQUIRED JOURNAL: (20 points) Turn in at Start of Lab.
In Composition Book or Spiral: Write Experimental Procedure Summary with ALL info needed to run

REQUIRED WET LAB: (30 points) You must participate in each experiment (No virtual labs).

REQUIRED REPORT: (50 points)
Your ORIGINAL WORK – NO XEROX COPIES or LATE REPORTS!
LAB PARTNERS have same DATA but NOT identical WORDING. (DO NOT COPY MANUAL)

If you are CAUGHT COPYING REPORT information on DUE DATE, it will NOT be ACCEPTED.

Type Lab Report if writing is NOT legible. {-5 pts if not Stapled.}

Lab Reports via Email are NOT accepted – Must turn in a hard copy.

- **OBJECTIVE**: Purpose of experiment? Be Specific. Include Names of Chemicals used.
  Use Manual’s Objective as a Guide only. Do not include Skipped Parts.
- **INTRODUCTION**: Write 2 paragraphs. Include important terms and definitions.
- **DATA SHEET**: Make copy of blank Lab Manual Report Sheets or tear them out.
  Bring with you to Lab. Input Data into Report Sheets during Experiment.
- **CALCULATIONS**: WRITE FORMULA - INPUT DATA – BLOCK IN FINAL ANSWER – SHOW UNITS.
  FOLLOW CORRECT SIGNIFICANT FIGURES. REPORTS WITHOUT CALCULATIONS WILL NOT BE ACCEPTED!
  Answer assigned QUESTIONS.
- **CONCLUSION**: SHOW YOUR RESULTS (NUMBER OR OBSERVATION). MEANING OF RESULTS?
  EX: THE DENSITY IS… COMPARE TO EXPECTED RESULTS. ARE RESULTS GOOD? WHY?
  *EXPECT TO GET YOUR GRADED REPORTS EVERY WEEK.*

Pre-Lab Quiz 10%

**QUIZ**: Done at beginning of Lab or Online before Lab. If Late = Zero.

Mid-Term Exam 20%
Final Exam 20%

**EXAM**: Multiple Choice. Scantron 882-E, pencil, and calculator required. No extra materials.
Answers must be bubbled in completely and as dark as possible.

Presentation/Helper 5% (2 Lab partners)

- **(10pt)**: Bring your Handout and meet with Instructor face to face several days before Lab Day!
- **(20pt)**: Make 22 Summary Handouts with pics for Lab. Follow Blackboard Notes.
- **(40pt)**: Present short Summary to Lab with Important Details.
  Highlight important parts of Experiment, Lab Techniques, and Calculations.
- **(30pt)**: Know experiment **Very Well** and Walk around Lab to get full credit!
  Check student Data Sheets to make sure everyone is working well.
  At lab End - Check student stations and back bench to make sure everything is in order.
  **Collect your Data** from group of choice to complete your lab report.
  **(Extra 10pt)**: Do mini Post Lab presentation when Report is due to explain **Conclusions**.

**EXTRA CREDIT Binder**: +5 Midterm Exam & +5 Final Exam.
Must be turned in on Exam day at Start. If NOT in order Please Do Not turn in.
Include: 1st page-Syllabus, 2nd page-Periodic Table of IONS, 3rd page-Mid & Final Review Sheets.
  ALL parts of each Experiment must be in Chronological order.
  Pre-labs (try to do them), Quizzes, Notes & Handouts, Reports...

**ATTENDANCE**:
Students are expected to attend all scheduled classes and may be dropped from the course for excessive absences.
UTRGV’s attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; for observance of religious
holy days; or for military service. **Students should contact the instructor in advance** of the excused absence and arrange to make up missed work or examinations.

**ABSENCE POLICY: LIMIT: 2 MAKE UP LABS.**
Make Ups are done during week Experiment is running ONLY. Follow Make Up Sheet below. OR - Turn in a report on time with a 50% deduction (will lose Journal and Wet Lab points).
MAKE UPS ARE RESERVED FOR ACCEPTABLE REASONS SUCH AS SUDDEN ILLNESS, UTRGV ACTIVITY, UNFORSEEN EMERGENCY – FORGETTING YOUR GOGGLES/LABCOAT IS NOT AN ACCEPTABLE REASON.

**MANDATORY COURSE EVALUATION PERIOD:**
Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account ([http://my.utrgv.edu](http://my.utrgv.edu)); you will be contacted through email with further instructions. Students who complete their evaluations will have priority access to their grades. Online evaluations will be available on or about:

Full Fall Semester  November 14<sup>th</sup> – December 4<sup>th</sup>

**COURSE DROPS:**
According to UTRGV policy, students may drop any class without penalty earning a grade of DR until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class. Students considering dropping the class should be aware of the “3-peat rule” and the “6-drop” rule so they can recognize how dropped classes may affect their academic success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career. Courses dropped at other Texas public higher education institutions will count toward the six-course drop limit. The 3-peat rule refers to additional fees charged to students who take the same class for the third time.

**STUDENTS WITH DISABILITIES:**
Students with a documented disability (physical, psychological, learning, or other disability which affects academic performance) who would like to receive academic accommodations should contact **Student Accessibility Services (SAS)** as soon as possible to schedule an appointment to initiate services. Accommodations can be arranged through SAS at any time, but are not retroactive. Students who experience a broken bone, severe injury, or undergo surgery during the semester are eligible for temporary services.

**Pregnancy, Pregnancy-related, and Parenting Accommodations**
Title IX of the Education Amendments of 1972 prohibits sex discrimination, which includes discrimination based on pregnancy, marital status, or parental status. Students seeking accommodations related to pregnancy, pregnancy-related condition, or parenting (reasonably immediate postpartum period) are encouraged to contact Student Accessibility Services for additional information and to request accommodations.

**Student Accessibility Services:**
**Brownsville Campus:** Student Accessibility Services is located in 1.107 in the Music and Learning Center building (BMSLC) and can be contacted by phone at (956) 882-7374 or via email at ability@utrgv.edu.

**Edinburg Campus:** Student Accessibility Services is located in 108 University Center (EUCTR) and can be contacted by phone at (956) 665-7005 or via email at ability@utrgv.edu.

**SCHOLASTIC DISHONESTY:**
As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University. Scholastic dishonesty includes but is not limited to: cheating, plagiarism (including self-plagiarism), and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination
for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to Student Rights and Responsibilities.

**SEXUAL MISCONDUCT and MANDATORY REPORTING:**
In accordance with UT System regulations, your instructor is a “Responsible Employee” for reporting purposes under Title IX regulations and so must report to the Office of Institutional Equity & Diversity (oie@utrgv.edu) any instance, occurring during a student’s time in college, of sexual misconduct, which includes sexual assault, stalking, dating violence, domestic violence, and sexual harassment, about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect that is free from sexual misconduct, discrimination, and all forms of violence. If students, faculty, or staff would like confidential assistance, or have questions, they can contact OVAVP (Office for Victim Advocacy & Violence Prevention) at 665-8287, 882-8282, or OVAVP@utrgv.edu.

**STUDENT SERVICES:**
Students who demonstrate financial need have a variety of options when it comes to paying for college costs, such as scholarships, grants, loans and work-study. Students should visit the Students Services Center (U Central) for additional information. U Central is located in BMAIN 1.100 (Brownsville) or ESSBL 1.145 (Edinburg) or can be reached by email (ucentral@utrgv.edu) or telephone: (888) 882-4026. In addition to financial aid, U Central can assist students with registration and admissions.

Students seeking academic help in their studies can use university resources in addition to an instructor’s office hours. University Resources include the Advising Center, Career Center, Counseling Center, Learning Center, and Writing Center. The centers provide services such as tutoring, writing help, critical thinking, study skills, degree planning, and student employment. Locations are:

<table>
<thead>
<tr>
<th>Center Name</th>
<th>Brownsville Campus</th>
<th>Edinburg Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advising Center</td>
<td>BMAIN 1.400 (956) 665-7120</td>
<td>ESWKH 101 (956) 665-7120</td>
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<tr>
<td><a href="mailto:AcademicAdvising@utrgv.edu">AcademicAdvising@utrgv.edu</a></td>
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<tr>
<td>Career Center</td>
<td>BCRTZ 129 (956) 882-5627</td>
<td>ESSBL 2.101 (956) 665-2243</td>
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<td><a href="mailto:CareerCenter@utrgv.edu">CareerCenter@utrgv.edu</a></td>
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<tr>
<td>Counseling Center</td>
<td>UCTR 109 (956) 665-2574</td>
<td>BSTUN 2.10 (956) 882-3897</td>
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<td><a href="mailto:Counseling@utrgv.edu">Counseling@utrgv.edu</a></td>
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<tr>
<td>Learning Center</td>
<td>BMSLC 2.118 (956) 882-8208</td>
<td>ELCTR 100 (956) 665-2585</td>
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<tr>
<td><a href="mailto:LearningCenter@utrgv.edu">LearningCenter@utrgv.edu</a></td>
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<tr>
<td>Writing Center</td>
<td>BUBLB 3.206 (956) 882-7065</td>
<td>ESTAC 3.119 (956) 665-2538</td>
</tr>
<tr>
<td><a href="mailto:WC@utrgv.edu">WC@utrgv.edu</a></td>
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</table>
TURN OFF All Electronic Devices DURING LAB!
NO MUSIC ALLOWED DURING LAB. REMOVE HEADPHONES.
IF YOU ARE TEXTING, YOU WILL BE ASKED TO LEAVE AND WILL NOT RECEIVE CREDIT FOR EXPERIMENT.

KEEP TRACK OF YOUR GRADES:

<table>
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<tr>
<th>Mid Exam</th>
<th>Final Exam</th>
<th>Pres/Helper</th>
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<tbody>
<tr>
<td></td>
<td>1BLO</td>
<td>7EF</td>
</tr>
<tr>
<td></td>
<td>8LR</td>
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<tr>
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<td>6AB</td>
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<td>9Vol</td>
<td>13CO2</td>
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<tr>
<td></td>
<td>25Cal</td>
<td>11PT</td>
</tr>
<tr>
<td>SQ1</td>
<td>EHS</td>
<td>Q2</td>
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<tr>
<td></td>
<td>Q1</td>
<td>Q7</td>
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Mid Exam x 0.20 = 
Final Exam x 0.20 = 
Presentation/Helper x .05 = 

Lab Reports ➔ Drop lowest if overall class averages are below 80 ➔ Average x 0.45 = 
Quizzes ➔ Drop lowest if overall class averages are below 80 ➔ Average x 0.10 = 

Add: 


A 89.5-100  B 79.5-89.4  C 69.5-79.4  D 59.5-69.4  F below 59.4
UTRGV CHEMISTRY DEPARTMENT  FALL 2019

1111 MAKE UP LAB       1111 MAKE UP LAB       1111 MAKE UP LAB

*Limit = 2 makeups*  Space is limited due to 24 students per lab.

Ask Make up Instructor to sign this form.
Turn in this signed form to your Instructor with your Lab Report.

PRINT STUDENT NAME & ID: _________________________ & __ __ __ __ __ __ __ __

Your LAB & Instructor:  1111. ___  Instructor: __________________________________________

DATE ABSENT:  M  T  W  R  F  ___ - ___ - 2019

CIRCLE MISSED EXPERIMENT:

1  BLO   7  EMP. FORM   8  LIM. REACT   28  Cu   6  ACIDS&BASES
27  REDOX   9  VOL. ANAL.   13  CaCO₃   25  CAL   11  PERIODIC TABLE./DRY LAB 3

*MUST MAKE UP DURING WEEK EXPERIMENT IS BEING CONDUCTED*

1111 LAB SCHEDULE: CONTACT Makeup Instructor (see Assist) for Lab Space Availability

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<td>1:50-4:30 PM</td>
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<td>1:50-4:30 PM</td>
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<td>10:55-1:35 PM</td>
<td>1:50-4:30 PM   4:45-7:25 PM</td>
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<td>1:50-4:30 PM</td>
</tr>
<tr>
<td>F</td>
<td>8:00-10:40 AM</td>
<td>10:55-1:35 PM</td>
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</table>

Makeup Instructor: _______________________________________

SIGNATURE: ____________________________________________

Makeup DATE: _________________________________________
UTRGV DEPARTMENT OF CHEMISTRY: LABORATORY SAFETY POLICY

1. Students are required to be covered from wrist to ankles.
   - A Lab Coat that extends from the wrist to 10 inches below the Bench top.
   - Long pants (without tears or holes) that cover the tongue of the shoe.
   (No Leggings, Jeggings, Yoga pants, Capris, Tights, or Shorts)

2. Everyone is required to wear goggles or protective eyewear at all times when experiments are being conducted in the lab. Prescription lenses without side shields are Not considered safety glasses. Safety glasses must have side shields.

3. Everyone is required to wear closed-foot shoes that cover the entire foot at all times in the lab. Must be footwear that does not readily absorb chemicals during a chemical spill. (No Sandals or Ballerina slippers).

4. Do not wear flammable garments, anything with synthetic fibers, or loosely woven natural fibers.

5. Food, Drinks, and Chewing gum are NOT allowed in Lab.

6. Students are required to tie back loose or long hair.

7. Students are Not allowed to Text while conducting experiments.

8. Students violating any item(s) 1 through 7 will be noted by Lab Instructor.
   If the student’s name appears 3 times on the list, the student will be dropped from the lab. The student will check out at this time.

9. Students are required to observe cleanliness of the work area at all times.
   This includes their personal workspace, sinks, and the area in the back of the lab.

10. At the beginning of the semester, students will sign a document that declares understanding of the safety policies and consequences of policy violations. A signature is considered an agreement to abide by the policies and accept the consequences of violation of said policies.

I have read the “Laboratory Safety Policy” above for the UTRGV Chemistry Department.
I agree to follow this policy.
Failure to do so may result in removal from the course.
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Printed Name: ________________________________________
Signed Name: ________________________________________ Date: __________

Printed Name: ________________________________________
Signed Name: ________________________________________ Date: __________