

## Fall 2024 Schedule

### *General Chemistry I (CHM 1310G) and General Chemistry Laboratory I (CHM 1315G)*

You must be enrolled in both CHM 1310G and CHM 1315G. If you drop, you must drop both courses. You cannot remain in lab if you drop lecture or vice versa.

#### Textbooks

*CHM1310G: Chemistry: An Atoms-focused Approach*, Gilbert, Kirss, Bretz and Foster. Obtain it from TRS.

*CHM 1315G: Chemistry 1315: The Laboratory*. Purchase at the EIU **PantherCopy** in the Martin Luther King Jr. Union. Cost: **TBD**. The lab manual is required for your first scheduled face-to-face lab meeting.

Week	Dates	CHM 1310G (lecture)	CHM 1315G (lab)
1	8/19-23	Ch 1: Matter and Energy: An Atomic Perspective	No Class
2	8/26-30	Ch 2: Atoms, Ions and Molecules: The Building Blocks of Matter	Check-In Exp 1: Lab Tools: Balance
3	9/2-6	Ch 3: Atomic Structure: Explaining the Properties of Elements	Exp 2: Measurement: Physical Properties
4	9/9-13	Ch 3: continued Ch 4: Chemical Bonding: Understanding Climate Change	Exp 3A: Spectroscope and Line Spectra Exp 3B: Preparation of a Copper Carbonate
5	9/16-20	Ch 4: Continued	Exp 4: Composition of a Copper Carbonate
6	9/23-27	Ch 5: Bonding Theories: Explaining Molecular Geometry	Exp 5: Shapes of Molecules and Ions Activity
7	9/30-10/4	Ch 5: Continued	Exp 6: Analysis of a Double Salt Part I
8	10/7-11	Ch 6: Intermolecular Forces: Attractions between Particles	Exp 6: Analysis of a Double Salt Part II
9	10/14-18	Ch 7: Stoichiometry: Mass Relationships and Chemical Reactions	Exp 7: Chemical Equations: Mass Relationships
10	10/21-25	Ch 7: Continued	<b>Exp 9: Solubility and Precipitation</b>
11	10/28-11/1	Ch 8: Aqueous Solutions: Chemistry of the Hydrosphere	<b>Exp 8: Solution Reactions: Identifying</b>
12	11/4-8	Ch 8: Continued	Exp 10: Solution Stoichiometry: Acid-Base Titration
13	11/11-15	Ch 9: Properties of Gases: The Air We Breathe	Exp 11: Properties and Composition of Air
14	11/18-22	Ch 10: Thermochemistry: Energy Changes in Chemical Reactions	Exp 12: Chemical Equations: Energy...
15	11/25-29	Thanksgiving Break NO CLASSES	
16	12/2-6	Ch 10: Continued	All sections: Check-out and Lab Final

**Notes:** No class on the following days: 9/2 (Labor Day, Monday), 10/11 (fall break, Friday), 11/25-29 (Thanksgiving break)