

CHEMISTRY

SCI 311/312 • 2017-18

Farrahadoon Durrani

Email: Fdurrani@student.leyden212.org

Phone: 847-451-3054

Available days and Hours: Period 1 and Access

Course description*

Emphasis is on scientific and chemical literacy in a lab-intensive environment. Topics include: matter, energy, atomic structure, properties of compounds, chemical equations and reactions, phase changes, acids and bases, nuclear chemistry, and organic chemistry. Problem-solving skills and mathematical applications are practiced.

Credit weight*

College Prep

[Link to published core curriculum map*](#)

Priority Standards*

Asking questions and defining problems	Using mathematical and computational thinking
Developing and using models	Constructing explanations and designing solutions
Planning and carrying out investigations	Engaging in argument from evidence
Analyzing and interpreting data	Obtaining, evaluating and communicating information

Grading Categories* (Common for all instructors of this course)	Category Percent Weights* (Common for all instructors of this course)
Unit Assessments (Common for all instructors of this course)	50
Labs	20
Homework	15
Quiz	15

Leyden High School D212 Common Grading Scale*: 90 - 100 A; 80-89 B; 70 - 79 C; 60 - 69 D; Below 60- F

Grades in this class will be updated **weekly** (minimum) and are available via the [eSchool Home Access Center](#)

Materials Needed

- Chromebook charged
- Pen/Pencil
- Notebook

UNITS

- | | |
|----------------------------------|-------------------------|
| 1) Measurements and Calculations | 8) Modern Atomic Theory |
| 2) Matter and Energy | 9) Chemical Bonding |
| 3) Elements, Atoms, and Ions | 10) Gases |
| 4) Nomenclature | 11) Liquids and Solids |
| 5) Chemical Reactions | 12) Solutions |
| 6) Chemical Composition | 13) Acids and Bases |
| 7) Chemical Quantities | |
| 8) Modern Atomic Theory | |

Retake/Late Work/Missing Assignment Policy

If you are absent for any reason, it is your responsibility to find out what you missed. All assignments are on our class calendar is the best way. If your chrome book didn't work at all then call a classmate or talk to them before class. See me concerning the missed assignments at the end of class or schedule to meet with me during period 11 or before school by appointment. You must schedule quiz or test make-ups during period 0 or 11. Late work must be made up before the unit test or it stays a zero. Lab make-ups can only be done while the lab is set up. A late assignment turned in after that assignment has been returned to the other students will be accepted but only a maximum of $\frac{1}{2}$ the points will be given. Full credit is possible if work is completed in my presence during period 0 or 11.

Other information

HELP

Appointments can be scheduled for period 0 or 11. Other times may be possible at my convenience. We will find time as needed. Your success is important to me.

Classroom Climate:

The objective here is to create an environment where all students feel welcome and comfortable to express themselves. Being disrespectful and willfully ignorant is not appropriate behavior in the work force and my job is to prepare you for life outside of the world of education. Any form of disrespect towards one another (even if you've been friends for years and it's just a joke) will not be tolerated.