Chemistry 1 Honors 2025-2026

Instructor:	**M. Cordero**	Course:	Chemistry 1 Honors
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Office Hours:	Tuesday and Thursday after school (3:05-3:45 pm)		

Please review the information shared within the following links:

- 2025-2026 Code of Student Conduct

Course Description

Chemistry is the study of composition, properties, and changes associated with matter. This course will expose students to a rigorous introduction to chemistry at both the conceptual and mathematical level. The goal of this course is to prepare students for a college-level General Chemistry course. This course has been designed to satisfy the Florida Science Standards which can be viewed at Search Standards | CPALMS.org as well as the National Next Generation Science Standards which can be viewed at https://www.nextgenscience.org/search-standards.

Course Grade

This is a year-long course and the grades are issued at the end of each semester. The grade for the first semester is issued in December and the grade for the second semester is issued in May.

Tests linked to the course

No state test or certification test is linked to this course.

Goals & Standards

Through successful completion of Chemistry 1 Honors, students will be able to demonstrate mastery of the science content described above as well as the following scientific practices. At the end of the course, students will be able to enroll in a college-level general chemistry course upon graduation from high school.

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Science and Engineering Practices*	Asking Questions and Defining Problems Developing and Using Models Planning and Carrying Out Investigations Analyzing and Interpreting Data Using Mathematics and Computational Thinking Constructing Explanations and Designing Solutions Engaging in Argument from Evidence Obtaining, Evaluating, and Communicating Information

*https://www.nextgenscience.org/sites/default/files/resource/files/Appendix%20F%20%20Science%20and%20Engineering%20Practices%20in%20the%20NGSS%20-%20FINAL%20060513.pdf

Course Schedule*

Semester 1 Units	Semester 2 Units
Unit 1: Properties of Matter	Unit 4: Stoichiometry
Unit 2: Structure of Matter	Unit 5: Solutions Chemistry
Unit 3: Chemical Bonding	Unit 6: Chemical Reactions

*Subject to change

Required Course Materials

Texts and Media

Textbook: Florida Experience Chemistry, 2025/1st ed., Moore et al.

Other texts: American Chemical Society reading articles and activities

Media: Click HERE to access other resources used in this course.

Procedures

Supplies

- Folder with prongs and pockets (to hold daily copies)
- Binder with 6 divisions (to keep all copies at home, organized by unit)
- pen/pencils
- Chromebook (fully charged/provided by school)
- Optional: Scientific calculator (A classroom calculator will be provided.)

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Homework

Class time is allocated every day to work on the daily task(s) so homework usually consists of finishing the daily task(s). These daily assignments are graded as Habits of Work (HOW) assignments (see grading rubric in the Grading policies section below).

Laboratory Assignments

To comply with the federal and UF Environmental Health and Safety Division regulations, students are expected to wear appropriate personal protective equipment (PPE) in order to participate in the lab investigations. PPE includes long pants that cover the ankle with no holes, shirts with sleeves and closed toed shoes. Socks and CROCS are NOT considered proper personal protective equipment (PPE). Students are informed about the labs at the beginning of the week and a Canvas inbox message reminder is sent by 6 pm on the day prior to the lab.

- Students not wearing the proper attire on the day of the lab will be asked to wear scrubs shirts and pants that are available in the classroom on a first come first serve basis.
- Students that do NOT wear closed toed shoes or the available scrubs will be seated for the entire duration of the lab wearing safety goggles. They will record data but will not be able to handle chemicals and glassware for safety reasons.
- Students that are absent are still responsible for submitting the lab assignment and all the course content covered in the investigation. They can ask their peers for the data gathered or they can use the data recorded and available on Canvas.

General Expectations

4Rs

- Responsible: Students must attend and be on time to class.
- Respectful: Students must show respect for each other and the classroom/school space.
- Resilient: Students are willing to take on challenges and use skills to overcome them.
- Ready: Students are prepared to work and learn everyday.

Late Work Policy

Students are encouraged to complete all assignments by the specified due date which in most cases is at the end of the day (by 11:59 pm) to receive full credit (4/4 points) as indicated in the HOW rubric (see below). However, in order to provide some flexibility to their busy schedules, HOW assignments can be submitted on Canvas until the end of the unit with a late work penalty (as indicated under the timeliness

category for the rubric of the HOW assignments). Once the HOW assignments are closed and the unit completed students will NOT receive credit for the HOW assignments.

Communication Protocols

Students can communicate with me by Canvas Inbox messages.

Families can communicate with the teacher by email to mcordero@pky.ufl.edu

Electronic Device Policy

Students must come to class every day with their charged Chromebook. During class, the Chromebook should be used only to participate in the class. Students should not have personal electronic devices out during class at any time for any purpose, unless instructed to do so.

9th-12th Grade
Students may possess a wireless communications device but may only use it outside of class time - or when a teacher gives explicit permission for instructional purposes. Devices must be stored in teacher-designated areas (backpack in the third floor Blue wing) during instructional time.

PK will provide access to telephones for students who need to contact families during times when they are prohibited from using their personal device.

Grading Policy and Assessments

Grading

P.K. Yonge's Grading and Credit system is based on our shared beliefs about the purpose of assessment:

- Students should have a clear understanding and shared ownership of learning goals
- Grades should communicate what students know and are able to do both within and across disciplines
- Students should have multiple opportunities to practice, receive feedback, and demonstrate their knowledge and skills
- It is critical for students to develop productive habits of work alongside content and skill development

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Type	Examples	% of Grade
Habits of Work	daily assignments and participation	5%
Formative	Quizzes, labs	20%
Summative	short response unit assessments, projects	75%

The chart below outlines the relationship between numerical grades, letter grades, mastery-language, and credit within our mastery-based system.

Mastery-Language	Range (4-point grade system)	Meets Standard Course Credit Earned
Mastery (A)	3.51 - 4.0	GPA Point 4
Proficient (B)	3.01 - 3.5	GPA Point 3
Approaching (C)	2.51 - 3	GPA Point 2
Beginning (D)	2.01 - 2.5	GPA Point 1
Not Meeting (F)	.01 - 2.0	No Course Credit
No Evidence	0	No Course Credit

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Habits of work (HOW) assignments will be assessed using the rubrics below.

Criteria	Grading Scale	What is expected for the scoring criteria?
Timeliness	2, 1, 0	2-Work is completed by the due date 1- Work is completed but not before the due date 0- Assignment is not completed
Quality of work	2, 1, 0	2- All work is of high quality (clear and complete sentences; calculations are clearly shown and include correct units.) 1- Work is completed but not of high quality (is not clear or does not show effort). 0- Work is not completed
Focus, Engagement and Effort	2, 1, 0	2-Always-Is always focused, engaged and showing full effort 1-Often-Is often focused, engaged and showing effort 0-Infrequently-Is infrequently focused, engaged and showing effort
Social responsibility	2, 1, 0	2- Always- Is always mindful of classroom norms, respectful with classmates and teachers, treats materials with care and is a positive caring citizen in class 1-Often-Is often mindful of classroom norms, respectful with classmates and teachers, treats materials with care and is a positive caring citizen in class 0- Infrequently- Is infrequently mindful of classroom norms, respectful with classmates and teachers, treats materials with care and is a positive caring citizen in class

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Reassessment Policy

The reassessment policy includes only the assignments that are assessed for demonstration of mastery (Summative assignments). Students are encouraged to take an alternate assessment for the summative assignments. In most cases, a day is allocated to do reassessments in class. This day will be announced a week in advance. If a student is absent on the reassessment day, the student is responsible for making special arrangements to do the reassessment. In order to take the reassessment students must complete the review. Only one opportunity for each unit summative assessment will be available for the reassessment. There are no reassessments for formative and habits of work assignments.

Academic Dishonesty

It is expected that the work you submit in this and all of your courses is your own original work, or if not, contains full acknowledgment of borrowed sources. The following instances are academically dishonest:

- Submitting the exact document/work of your classmates or lab teammates
- Submitting the same project as one of your classmates or a student in another corresponding Chemistry class
- Copying answers from an online search or generated by artificial intelligence tools (i.e.ChatGPT). One way to identify *AI generated responses* is identifying vocabulary and content that is beyond the scope of this course (Ex. The answer includes the term electromagnetic spectrum which is a topic not covered in Chemistry 1 Honors but part of the AP Chemistry curriculum instead.)

Any academic dishonesty will result in the *failure of that assignment as the minimum consequence*; other consequences range from failure of the course to academic probation to dismissal from P.K. Yonge.

ALL instances of academic dishonesty will be reported to the student's counselor and P.K. Yonge administration.