

## CHEM105 Section 003, Fall 2021 Course Syllabus

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**Office Hours:** Monday 12:30 – 2:30, Tuesday 9 – 11, or [by appointment](#)

**Meeting Times:** Asynchronous

**Credit Hours:** 4

**Course Website:** [Blackboard](#)

**Required Material:** None

**Textbook (optional):** [OpenStax Chemistry: Atoms First](#)

**Web and Electronic Resources:** All course material will be available on [Blackboard](#).

**Course Objectives and Student Learning** *Upon completion of this course, the successful student will be able to:*

- Understand and appreciate the Scientific Method.
- Understand and apply the basic concepts used in chemistry.
- Think critically about problems.
- Use a variety of appropriate problem solving strategies.
- Understand and communicate scientific topics.
- Recognize chemistry outside the classroom

### University Level Competencies:

- Competency 1: Winthrop graduates think critically and solve problems.
- Competency 2: Winthrop graduates are personally and socially responsible.
- Competency 3: Winthrop graduates understand the interconnected nature of the world and the time in which they live.
- Competency 4: Winthrop graduates communicate effectively.

**General Education:** This course fulfills the Natural Science – Physical attribute

### Grading for the Course:

**A: > 90%**    **B+: > 87%**    **B: > 80%**    **C+: > 77%**    **C: > 70%**    **D: > 60%**    **F < 60%**

**Video Quizzes (2.5%):** New content will be delivered through lecture videos. These videos are intended to prepare you for class, will be posted on the Blackboard page, and will have simple questions at the end of each video. To receive credit, these must be completed prior to class and, to be clear, you will be lost during the daily activities if you don't view them.

**“Attendance” (2.5%):** Attendance will be calculated by determining the total amount of time you spend watching the lecture videos. For example, if the class has 100 minutes of total video time and you spend 85 minutes viewing the videos, you will receive 85% of the points available for this section.

**Problem Sets (40%):** Problem sets will be due **one day before EVERY exam at 9:00 PM**. You are STRONGLY encouraged to keep up on your problem sets by completing each section as we cover it in class; this will undoubtedly help you on pop quizzes. As an incentive to keep up, shorter sections will be available for bonus credit and will be due by the date identified on Blackboard. Answers will be submitted on Blackboard or you can print out the full problem set from Blackboard, write your answers on the sheet,

and submit to me by email by the due date. An answer key will be available at 9:00 PM the day that the problem set is due.

**Daily Activities (10%):** Class activities are the primary way that you will explore course content – these activities constitute your most valuable learning opportunity and completion of these assignments will award you with full credit. These will be submitted through Blackboard on the day they are completed in class.

**Tests (30%):** These are designed to assess your mastery of the material. They will require you demonstrate your understanding of concepts and problem solving ability. To receive an A, you will need to apply what you have learned to scenarios that are different than what you saw in problem sets and activities. Keep in mind that they are specifically designed to be difficult. You will have 75 minutes to complete each exam.

**Final Exam (15%):** The American Chemical Society exam for General Chemistry will be used at the final exam. It is cumulative and grades will be based on the class average performance.

**Late Work Policy:** NO WORK WILL BE ACCEPTED AFTER THE KEY IS AVAILABLE.

**Drop Policy:** As described in the Winthrop University Undergraduate catalog

**Resources:** Any student enrolled in courses at Winthrop regardless of modality (traditional in-person, online, hybrid, telepathy...) is entitled access to all campus resources. These resources include, but are not limited to, admissions counseling, recreational facilities, and health, library, and academic services. Questions regarding access to these resources should be directed to the assigned academic advisor

**Syllabus Change Policy:** Sincere effort has been made to ensure that this syllabus accurately reflects notable information for the entire term. However, if circumstances necessitate a minor modification, students will be immediately notified.

**Student code of conduct:** As noted in the Student Conduct Code: “Responsibility for good conduct rests with students as adult individuals.” The policy on student academic misconduct is outlined in the “Student Conduct Code Academic Misconduct Policy” in the online *Student Handbook* (<http://www2.winthrop.edu/studentaffairs/handbook/StudentHandbook.pdf>).

**Accessibility Statement:** Winthrop University is committed to providing accessible learning experiences and equal access to education for all students. The syllabus is available in alternate formats upon request.

If you are a student with a disability (including mental health concerns, chronic or temporary medical conditions, learning disabilities, etc.) and you anticipate or experience academic barriers due to the condition, please contact The Office of Accessibility (OA) for information on accommodations, registration, and procedures. After receiving approval for accommodations through OA, please make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely manner.

OA contact information: [accessibility@winthrop.edu](mailto:accessibility@winthrop.edu); 803-323-3290; 307 Bancroft Hall Annex

**Submitting work:** All work will be submitted through Blackboard or email as a last resort.

- Video quiz answers are submitted directly through the video platform (Knowmia).
- Daily activity assignments are completed on paper and need to be converted to an electronic format for submission. You are expected to upload a single pdf or word document containing all images. I strongly encourage using the Office Lens app which lets you easily convert “sloppy” pictures into “tidy” pdf documents. There are other apps that do the same thing (e.g. Genius Scan), but I find Office Lens to be the most effective and efficient.

- Problem sets and bonus sets are built into the Blackboard platform and answers will be submitted directly to the Blackboard assignment. **Partial credit is not awarded for problem sets – you have unlimited attempts and should plan accordingly.**
- Tests are built into the Blackboard platform and answers will be submitted directly to the Blackboard assignment. You will have the opportunity to upload your work immediately after completing the test – you should do this using the Office Lens app described above.

### Study Tips:

- Do not expect to do well in the class if you're not prepared to commit 10 hours per week to studying.
- Watch all video lectures and complete all homework (assigned **AND** suggested).
- Treat the lecture videos like a traditional classroom lecture. Pay close attention and **take notes**.
- Watch the lectures again.
- Stay active during the lectures by taking good notes and asking questions (or writing down questions to ask the instructor).
- ASK QUESTIONS! I respond to email questions very quickly as long as I'm awake.
- Review other sources of information (plenty of General Chemistry textbooks are available in the library).
- Regularly review lecture notes. Think you understand...review the notes one more time.
- Be prepared for and actively participate in the collaborative group sessions.
- Do all the work more than once.
- ASK QUESTIONS!

### Tutoring Opportunities

#### Academic Success Center

Winthrop's Academic Success Center is a free resource for all undergraduate students seeking to perform their best academically. The ASC offers a variety of personalized and structured resources that help students achieve academic excellence, such as virtual tutoring and academic coaching. The ASC is located on the first floor of Dinkins, Suite 106. Please contact the ASC at 803-323-3929 or [success@winthrop.edu](mailto:success@winthrop.edu). For more information on ASC services, please visit [www.winthrop.edu/success](http://www.winthrop.edu/success).

To utilize ASC Peer Tutoring during the 2020-2021 semester, students must enroll in and complete the Tutee Seminar on Blackboard. A two minute video on how to enroll so can be found on the bottom of the [www.winthrop.edu/asc](http://www.winthrop.edu/asc) webpage. Upon completing the Tutee Seminar, students can register for up to two ASC Peer Tutors each semester via Tutor Trac ([www.winthrop.go-redrock.com](http://www.winthrop.go-redrock.com)). Students who experience any difficulty with the registration process can contact the ASC at 803-323-3929 or [success@winthrop.edu](mailto:success@winthrop.edu).

#### Chemistry Tutors

The Department of Chemistry also offers a free drop-in tutoring service (100 % virtual this year). The tutors are successful junior and senior chemistry majors that commit a small amount of their time to help you. Information about tutoring this year will be posted as soon as schedules are finalized.

### Confidentiality Statement for Online Courses

With the availability of hardware and software enabling audio and video capturing of material, lectures, courses, etc., and the use of social media, it is essential to be mindful of the following policies and considerations:

- Faculty and students need a safe space in which to discuss topics that can be difficult due to differing experiences and points of view. Students and faculty must agree that course discussions in any format are safe from the fear of being posted or shared with individuals outside of the course section.
- No recordings of any format (audio and/or video) may be captured without direct permission from the instructor.
- Recordings, even those approved by the instructor, may not be posted to any internet hosted location, copied/duplicated, or shared with others.
- Any approved recording is to be used as a learning resource only by the students in the specific section.
- At the end of the semester, any and all personal copies of recordings must be destroyed (deleted and removed from trash) from either university-provided storage resources or student-owned storage devices.
- Faculty should notify students prior to recording any in person or online class sessions, and allow students to disable video feed if desired.

