

## General Chemistry II (01:160:162) Fall 2021

<b>Course Name and Number</b> Course site (or other course management system)	01:160:162 Canvas <a href="https://canvas.rutgers.edu">https://canvas.rutgers.edu</a>
<b>Semester</b> <b>Meeting Days, Times, and Place(s)</b>	Fall Semester 2021  Sections 01-05 T and Th 7.00 pm – 8.20 pm online(synchronous) Sections 11-15 T and Th 7.00 pm – 8.20 pm online(synchronous)  Recitations: students are assigned to one in person recitation per week , please refer to the schedule provided online)
<b>Instructor's Name</b> <b>Contact Information:</b> e-mail/telephone	Prof. Darrin York : Course Coordinator Email : <a href="mailto:york@chem.rutgers.edu">york@chem.rutgers.edu</a>  Lipika Roychowdhury : Lecturer and Course Administrator Email: <a href="mailto:lipikar@chem.rutgers.edu">lipikar@chem.rutgers.edu</a>  Tatiana Fadeeva; Lecturer Email: <a href="mailto:fadeeva@chem.rutgers.edu">fadeeva@chem.rutgers.edu</a>
<b>Learning Goals</b>	
<u>Core Curriculum Learning Goals Met by this Course</u>  	<ul style="list-style-type: none"> <li>• Understand and apply basic principles and concepts in the physical or biological sciences.</li> <li>• Explain and be able to assess the relationship among assumptions, method, evidence, arguments, and theory in scientific analysis.</li> </ul>

<p><b><u>Department Learning Goals Met by this Course</u></b> <b>Chem 162</b></p>	<p><i>By the end of this course (CHEM 162), students will be able to draw upon:</i></p> <ul style="list-style-type: none"> <li>• relevant scientific models</li> <li>• representations at the macroscopic, submicroscopic (small particle), and symbolic levels—including mathematical formulae</li> <li>• qualitative and quantitative reasoning skills</li> </ul> <p><i>...to demonstrate their understanding that:</i></p> <ol style="list-style-type: none"> <li>1. <b>“Structure and Function:</b> Chemical compounds have geometric structures that influence their chemical and physical behaviors.”</li> <li>2. <b>“Chemical Reactions:</b> Matter changes, forming products that have new chemical and physical properties.”</li> <li>3. <b>“Thermodynamics:</b> Energy is the key currency of chemical reactions in molecular-scale systems as well as macroscopic systems.”</li> <li>4. <b>“Measurement and Data:</b> Chemistry is generally advanced via experimental observations.”</li> <li>5. <b>“Kinetics:</b> Chemical changes have a time scale over which they occur.”</li> <li>6. <b>“Equilibrium:</b> All chemical changes are, in principle, reversible; chemical processes often reach a state of dynamic equilibrium.”</li> <li>7. <b>“Visualization:</b> Chemistry constructs meaning interchangeably at the particulate and macroscopic levels.”</li> </ol>
<p><b>Common hour exam dates</b></p>	<p><b>Exam I :    October 05, Tuesday : Time 7.00-8.30 pm</b>  <b>Exam II:    November 04, Thursday :Time 7.00-8.30 pm</b>  <b>Exam III :   December 02 Thursday : Time 7.00-8.30 pm</b>  <b>Final Exam: TBA</b></p>
<p><b>List of Required Books &amp;/or Materials</b></p>	<ol style="list-style-type: none"> <li>1. “CHEMISTRY. Structure and Properties” NIVALDO J. TRO 2nd Ed</li> <li>2. The textbook for this course is Rutgers custom edition, available in the bookstore, together with the student’s solutions manual. Scientific calculator</li> </ol>

<p><b>Current Academic Integrity Policy (at instructor/admin's discretion):</b>  <a href="http://academicintegrity.rutgers.edu/academic-integrity-policy/">http://academicintegrity.rutgers.edu/academic-integrity-policy/</a></p> <p>Violations include: cheating, fabrication, plagiarism, denying others access to information or material, and facilitating violations of academic integrity.</p> <p><i>Optional: Instructors may include a Honor Pledge:</i>  "On my honor, I pledge that I have neither given nor received any unauthorized aid on this (exam, test, paper)."</p>	<p><i>General Academic Integrity Link:</i>  <a href="http://academicintegrity.rutgers.edu/">http://academicintegrity.rutgers.edu/</a></p> <p><i>Resources for instructors can be found at:</i>  <a href="http://academicintegrity.rutgers.edu/resources-for-instructors/">http://academicintegrity.rutgers.edu/resources-for-instructors/</a></p>
<p><b>Attendance policy</b></p>	<p>Attendance is monitored electronically during lectures and recitations.</p>
<p><b>Course Structure and Requirements Assignments to be graded including due dates and grade distribution/percent value of each assignment.</b></p>	<p><i>University attendance and religious holiday policies are at</i>  <a href="http://catalogs.rutgers.edu/generated/nb-ug_current/pg1354.html">http://catalogs.rutgers.edu/generated/nb-ug_current/pg1354.html</a></p> <p><i>An interfaith calendar can be found at</i>  <a href="http://www.interfaithcalendar.org/index.htm">http://www.interfaithcalendar.org/index.htm</a></p>
<p><b>ODS accommodation policy</b></p>	<ul style="list-style-type: none"> <li>• Students with disabilities requesting accommodations must follow the procedures outlined at <a href="https://ods.rutgers.edu/students/registration-form">https://ods.rutgers.edu/students/registration-form</a>.</li> </ul>

<p><b>Final Exam/ Date and Time</b> <a href="http://finalexams.rutgers.edu/">http://finalexams.rutgers.edu/</a></p>	<p><b>You can use this link to check the final exam schedule.</b>  <a href="http://www.sas.rutgers.edu/cms/sasoue/policies-resources/policies/15-policies-resources/policies/65-final-exams">http://www.sas.rutgers.edu/cms/sasoue/policies-resources/policies/15-policies-resources/policies/65-final-exams</a></p>
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<p><b><u>Disability Services</u></b> <b>(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / <a href="https://ods.rutgers.edu/">https://ods.rutgers.edu/</a></b> Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: <a href="https://ods.rutgers.edu/students/documentation-guidelines">https://ods.rutgers.edu/students/documentation-guidelines</a>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: <a href="https://ods.rutgers.edu/students/registration-form">https://ods.rutgers.edu/students/registration-form</a>.</p> <p><b><u>Assessment of Students</u></b> An integrated approach to assessing the achievement of the learning goals 1 and 2 will be used. This includes the use of a mixture of written quizzes, multiple choice exam questions, among others aimed specifically at each of these learning goals.</p>	
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