CHM 11200 Course Packet Summer 2021

CHM 11200 in Summer 2021 is Online
(CRN 30011)
Brightspace page: https://purdue.brightspace.com/d2l/home/6824

Instructor: Dr. Cindy Harwood
Lecture: Asynchronous online video recording
Email: charwood@purdue.edu
Office Hours: T 1:00-2:00 PM EST & Th 6:00-7:00 PM EST online and by appointment online.
Problem Solving Sessions: Mondays from 2:10-3:00 pm EST through Zoom (see Brightspace for details)

Chemistry 11200 is a online, 3-credit-hour, foundational general chemistry course for agriculture, health and human science, and other majors. The minimum prerequisite for CHM 11200 is credit for CHM 11100. The course is oriented around helping you learn some of the fundamental chemistry concepts, calculations, and laboratory skills you need in your major.

In CHM 11200, General Chemistry II, the following topics will be covered:

- Intermolecular forces (IMF) with an emphasis on understanding IMF at the molecular level and connections between the molecular level and macroscopic properties.
- Acids, bases, and buffers. Many disciplines use these concepts and chemists have developed different kinds of models to describe acids and bases. You will learn and use three different models. We will focus on acid-base reactions, equilibria, and the application of quantitative equilibrium concepts to such reactions. Buffers have important applications in agriculture and in health sciences that will be explored in lecture and laboratory.
- Rates of chemical reactions, known as kinetics, and the quantitative application of zero-order, first-order, and second-order kinetics concepts to understand the factors that control rates of reaction and rates of chemical change.

There is one online section of CHM 11200 taught by Professor Harwood. Your graduate teaching assistant, Arielle Selvia, teaches a weekly online recitation section offering an opportunity to reinforce what is discussed in lecture and to discuss laboratory. We strongly encourage you to attend recitation! Finally, all labs are online.

The CHM 11200 team—the professor and graduate teaching assistant, administrative assistants, and general chemistry preparations lab—are committed to and focused on helping you learn chemistry. We know that this is a foundational course for your major, and in order to achieve your goals and dreams, you need to do well in the course! Please read on to learn about the required materials, lecture and lab schedule, recommended ways to study, grading, and other course policies and procedures.

Detailed learning objectives are provided for each chapter/topic of the course. Broad course learning outcomes for this course are:

1. Explain basic chemical concepts including intermolecular forces and their effect on physical properties, chemical kinetics and factors affecting rates of reactions, and acid-base chemistry and pH.
2. Apply problem-solving skills to calculate unknown information related to chemical concepts such as kinetics, and acid-base.
3. Analyze tabulated data, graphs, raw data from laboratory experiments, observations, and molecular-level models to answer scientific questions and construct evidence-based arguments supporting a scientific claim.
4. Demonstrate competence in collecting, analyzing, and interpreting data in the laboratory, using computers in data acquisition and processing, using available software in data analysis, and applying safe laboratory practices.
BRWN 1144, The General Chemistry Office, 765-4945250, genchem@purdue.edu: The General Chemistry Office handles all the administrative details associated with the course. All non-chemistry questions about the course should be directed to this office. For example, go to BRWN 1144 to get grade checks, to get clarification on course policies, to resolve grade issues, to change your schedule (weeks 2 and 3), and to get signatures on University forms such as add/drop forms. Instructional specialist Mrs. Marybeth Miller and assistants Ms. Marlene Miller and Mrs. Melissa Roadruck are able to help you with a variety of requests so you can maximize your success in general chemistry.

Dr. Harwood: The contact information is above and she will hold office hours this semester online. Please feel free to email her from your Purdue email account. Generally, she will respond within 24 hours. Please email her from your @purdue.edu account so she can tell for certain who is emailing! Please include an informative subject line so she knows what the email is about and sign your email so she knows your name.

Course Information: Lecture outlines, links to homework assignments, reading assignments, announcements, and other course information are available on the course Brightspace page. https://purdue.brightspace.com/d2l/home/6824. We recommend you visit it often!

Required Materials

Textbook: The textbook chosen for you this semester is Chang, Chemistry, 13th edition. We have also chosen the McGraw-Hill Connect online homework program for our homework platform this year. When you purchase Connect, it includes an electronic copy of the textbook, Chang, Chemistry, 13th edition (ISBN: 9781260694420). You can purchase Connect from the University bookstores or directly through McGraw-Hill (it’s cheaper directly from McGraw-Hill because the bookstore adds a small markup to the McGraw-Hill price). If you are using an old book (any edition) you will still need to purchase access to the Connect program which automatically includes an electronic copy of the text. A link on the course Brightspace page will direct you to the McGraw-Hill site where you can make your purchases. (NOTE: If you were in CHM 11100 or CHM 11200 in Fall 2020 or Spring 2021, you do not need to repurchase Connect. Connect codes are good for 2 years. Contact Dr. Harwood if you have questions about this.)

Lab Manual: We have a digital laboratory manual this semester from Bluedoor Labs/Top Hat. You can purchase access to the online lab manual directly from a link in Brightspace. This will also give you access to BeyondLabz which is an online lab simulation site that we will be using this year.

Week #1 Assignments:

- Complete the Online Learning 101 module if you haven’t already done so for a previous class.
- Sign up for Brightspace notifications, see Online Learning 101 for how to do this! Email & announcements!
- Purchase required materials (Connect, Top Hat and BeyondLabz) and register for the current semester Connect course.
- Purchase lab access through TopHat and BeyondLabz.Read all the information in this course packet.
- Begin the first Connect weekly homework assignment.
- Read the Reading Assignments and Learning Objectives (on Brightspace).

Weekly Assignments: (Refer to the “Some Ways to Study Chemistry” on the course Brightspace page.)

- Read the weekly organizer each week.
- Watch lecture and attend recitation.
- Complete reading assignments before lecture (see lab/lecture schedule at end of this document).
- Complete your Connect homework assignment (due each Friday at 11:59 pm).
- Pre-labs are due on Tuesday or Thursday; labs are due on Thursday or Sunday.
- Quizzes each Wednesday

***For more information on the topics in this course summary, please see course Brightspace page.***
Overview of CHM 11200 Activities and Policies
***For more detailed information, see the course Brightspace page.***

**Brightspace**
This is the learning management system (LMS) that we use in the course. We will post all the course resources on our Brightspace page and you will need to access this page multiple times each week. The course content is broken up into 5 modules that are explained on the course lecture schedule at the end of this document.

**Reading**
See the lecture schedule in the course syllabus for the reading assignments. These are also posted on our Brightspace webpage. *Reading the assigned material prior to listening to the lecture and laboratory materials is recommended.*

**Lecture – Online!**
Lectures will be presented asynchronously. Each week (except for Weeks 1 and 8) there will be an online, synchronous problem-solving/help session during regular class hours (2:10-3:00 pm). See lecture schedule in the course packet for details.

**Recitation**
Your teaching assistant conducts a weekly online recitation designed to help you understand the upcoming laboratory and to discuss any questions you may have from lecture or the homework. Worksheets (recitation guides) containing relevant conceptual and numerical questions are provided in Brightspace each week. Your teaching assistant will facilitate group discussions over these problems. You will have time to ask questions and check your homework and pre-lab answers so be ready to ask your homework and lab questions in recitation.

**Homework (CONNECT)**
Each week you will have an online homework assignment in CONNECT which will consist of required questions and possibly optional questions. Required questions will contribute to your homework point total, while optional questions will not. However, optional questions and tutorials can be used to help understand how to work problems. A few homework problems may appear as questions on quizzes.

Deadlines for completing the on-line assignments will be listed on the online CONNECT Assignment page. Homework will usually be available when the module opens and due on Fridays at 11:59 pm. You will have at least 11 days after it is assigned to complete the homework. You will have a maximum of three attempts to complete each homework question before the listed due date. Homework will be scored and recorded online and there is no hand grading or regrading of homework. *No time extensions are possible for homework unless there is a class-wide technical problem or unless you are in quarantine or isolation due to COVID.*

**Activities, Explorations, and Worksheets**
These are activities where you may be asked to consider some data or how molecules interact and then make a claim and support it with your reasoning (claim-evidence-reasoning sheets). You might explore a simulation or watch a demonstration video and answer questions about the demonstration. There also will be worksheets with a chance to apply the skills you are learning to problem solving.

There are 260 points of activities of these kinds in the course. The activities, explorations, and worksheets are submitted through Brightspace as either pdf or docx files. We cannot read HEIC or pages file format, so please do not submit those. Activities, explorations, and worksheets will be due on Sundays at 11:59 PM EST as noted in Brightspace. Late work will not be excepted unless there are extenuating circumstances (quarantine, isolation, grief absence, University sponsored activity for example).

**Quizzes**
There will be 7 online quizzes this semester worth 40 points each. The content will include problems and concepts from the prior or present week of class, as noted in the Lecture Schedule. Quizzes will be due on Wednesdays and we will announce on Brightspace when they will open and close. We will use
Brightspace and Gradescope as platforms for quizzes. Brightspace’s quiz function was used in the spring and does some things well and some things poorly. We will use Gradescope where it is clear that we can collect better evidence of your learning using this platform. For example, questions where you have to draw Lewis structures or show your work on a calculation – you will be able to upload your file and we can grade it. Your lowest scoring quiz will be dropped at the end of the semester.

**Laboratory**

Laboratory exercises are an integral part of CHM 11200 and we will complete our labs this year using Top Hat Labs. Please see the Brightspace course webpage to get connected to Top Hat! Below are due dates and guidelines.

- There will be 1-2 labs per week during the summer semester.
- Pre-labs, lab manual chapters, lab data, supporting lab information and lab reports for the week will be released on Fridays by 8:00 PM EST (12:00 AM GMT)
- Lab reports will be due on Thursdays and Sundays at 11:59 PM EST (3:59 AM GMT)
- Your lab report will be completed online. You should make sure to always:
  - Click SAVE or SUBMIT after you type your responses!
  - Label graphs and tables, where appropriate.
  - Use the data you collected for the calculations and analysis.
  - Use correct units of measurement and significant figures.
  - Use chemical terms and concepts correctly.
  - Ensure results and conclusions are consistent with your data and observations.

You will be able to review your graded lab reports online within one week after they are submitted. If you have questions about your grade, speak with your lab instructor or the lab coordinator.

**Weekly Organizers!**

Every Sunday I will post a weekly organizer for you! It will have an overview of the week’s activities – reading, lecture, labs, homework, quizzes, activities/explorations/worksheets, and office hours! They are a marvelous way to help you stay organized and on track in the class. Download them each week!

**Determining your Course Grade, Summer 2021**

Each of the assigned course activities for CHM 11200 is worth the number of points listed below. Before course grades are finalized at the end of the semester the following scores will be dropped:

- your lowest homework score
- your lowest quiz score
- your lowest lab score
- your lowest Activity and Exploration score

The total number of points for CHM 11200 will be distributed as follows:

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<thead>
<tr>
<th>Activity</th>
<th>Points</th>
<th>Details</th>
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<tbody>
<tr>
<td>Homework</td>
<td>140 pts</td>
<td>(Best 6 out of 7 @ 23.34 pts. each)</td>
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<tr>
<td>Quizzes</td>
<td>240 pts</td>
<td>(Best 6 out of 7 @ 40 pts each)</td>
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<tr>
<td>Labs</td>
<td>200 pts</td>
<td>(Best 8 out of 9 @ 25 pts each)</td>
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<tr>
<td>Activities, Explorations, Worksheets</td>
<td>260 pts</td>
<td>(Best 11 out of 12 @ 20-25 pts each)</td>
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<td>Capstone Activities/Worksheets</td>
<td>160 pts</td>
<td>(4 @ 40 pts each; multi-concept; in lieu of final exam)</td>
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<td><strong>Total</strong></td>
<td><strong>1,000 pts</strong></td>
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At the end of the semester your course grade will be based on the following scale:

- A: 875 pts and above
- B: 775 – 874 pts
- C: 675 – 774 pts
- D: 575 – 674 pts
- F: 0 – 574 pts
Save copies of all work you turn in until after you have received your course letter grade for CHM 11200. To resolve any discrepancies, your paper(s) will need to be reviewed.

Course Activities, Policies and Procedures

Studying Chemistry
Expect to spend at least 8-12 hours per week on chemistry. This time includes reading course materials, listening to lectures, watching demonstrations, completing homework and assignments and explorations, quizzes, and lab assignments.

Sources of Help
There are several free sources of help for CHM 11200 students: (1) professor office hours and (2) TA office hours.

Changing Sections/Dropping

<table>
<thead>
<tr>
<th>UNIVERSITY DEADLINES - Summer 2021</th>
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<tr>
<td>Fri. June 18: Last day to cancel (drop) a course in myPurdue, without it appearing on your record.</td>
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<td>Fri. June 25: Last day to cancel (drop) a course without a grade.</td>
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<td>Wed. July 14: Last day to cancel (drop) a course (with a passing or failing grade).</td>
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Adding the Course/Late Registration: Students are usually not permitted to add CHM 11200 after June 25. Email Dr. Harwood (charwood@purdue.edu) if you register late to see about making up missed assignments.

Emergencies

In the event of a major campus emergency, course requirement, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to CHM 11200 will be posted on the course Brightspace site or can be obtained by contacting the instructors or TAs via email or the General Chemistry Office via phone at 765-494-5250. You are expected to read your @purdue.edu email on a frequent basis.

Again: You are expected to read your @purdue.edu email on a frequent basis.

- “Shelter in Place” means seeking immediate shelter inside a building or University residence. This course of action may need to be taken during a tornado, earthquake, release of hazardous materials in the outside air, active shooter, building intruder, or a civil disturbance. If you hear the All Hazards Outdoors Emergency Warning Sirens or are notified via text or other means, immediately go inside a building to a safe location and use all communication means available to find out more details about the emergency. Remain in place until police, fire, or other emergency response personnel provide additional guidance or tell you it is safe to leave. There is no “all safe siren;” the notification will come via text, internet, or email announcement.

Accessibility and Accommodations:
Purdue University strives to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247.

Disability Accommodations
If you require accommodations to access course activities or materials, the accommodations must be described and approved by Disability Resource Center, Young Hall Room 830, 302 Wood Street, 765-494-1247, drc@purdue.edu, www.purdue.edu/drc. To implement accommodations you must follow the instructions listed as “Responsibilities of the Student” in the letter prepared by the Disability Resource Center. Within the first week of the semester or within one (1) week of the date of the letter, you are
required to (1) electronically share a copy of your letter to genchem@purdue.edu, or (2) schedule an appointment via email with Melissa Roadruck (melissa@purdue.edu), or (3) take a copy of your letter to the General Chemistry Office (BRWN 1144) during walk-in hours to discuss your accommodations. Implementation of accommodations may not be possible if insufficient notification is given.

Academic Integrity Statement and Consequences.
Academic integrity is one of the highest values that Purdue University holds. Individuals are encouraged to alert University officials to potential breaches of this value by either emailing integrity@purdue.edu or by calling 765-494-8778. While information may be submitted anonymously, the more information that is submitted provides the greatest opportunity for the University to investigate the concern.” Please read http://www.purdue.edu/odos/osrr/academic-integrity/index.html.

In CHM 11200, academic integrity means “doing your own work” at all times. Discussion of chemical concepts and problem-solving methods is encouraged, but sharing your answers and work on social media for the express purpose of letting other students copy it is not acceptable. Such a use of technology does not help you learn and is considered academic dishonesty.

Online quizzes in CHM 11200 are open book and open note, however all collaboration with others (such as Group Me, Zoom, discussion boards, text, in-person, etc.) during a quiz is prohibited. Using online resources such as Chegg to gain answers to any graded assignment (including homework, labs, quizzes, activities and explorations, and worksheets) is not allowed. Posting any course materials to websites is a violation of copyright laws and is not allowed. Instructors can obtain user information from Chegg and other sites when inappropiate course material is posted and investigate it.

Consequences of academic dishonesty include receiving a lower or failing grade for an assignment, being required to repeat the assignment, receiving a lower or failing grade for the course and/or dismissal from the University. Incidents of academic integrity are referred to the Office of the Dean of Students. A student accused of academic dishonesty will be afforded due process as defined by Purdue University procedures.

Purdue Honors Pledge
We support and affirm the academic integrity of Purdue in accordance with the Purdue Honors Pledge: “As a Boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together – we are Purdue.” https://www.purdue.edu/provost/teachinglearning/honor-pledge.html.

Diversity Welcome
We believe every student in this course has something of value to contribute. Please take care to respect the different experiences, beliefs and values expressed by students and staff involved in this course. We support Purdue’s commitment to diversity, and welcome individuals of all ages, backgrounds, citizenships, disabilities, education, ethnicities, family statuses, genders, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences. See: http://www.purdue.edu/diversity-inclusion/

Nondiscrimination Statement
Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange ideas, and enriches campus life. Purdue’s nondiscrimination policy can be found at https://www.purdue.edu/purdue/ea_eou_statement.php.

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Attendance Policy
Students should stay home and contact the Protect Purdue Health Center (496-INFO) if they feel ill, have any symptoms associated with COVID-19, or suspect they have been exposed to the virus. In the current context of COVID-19, attendance will not be a factor in the final grades, but the student still needs to inform the instructor of any conflict that can be anticipated and will affect the submission of an assignment or the ability to take a quiz. Only the instructor can excuse a student from a course requirement or responsibility. When conflicts can be anticipated, such as for many University-sponsored activities and religious observations, the student should inform the instructor of the situation as far in advance as possible. For unanticipated or emergency conflict, when advance notification to an instructor is not possible, the student should contact the instructor as soon as possible by email, through Brightspace, or by phone. When the student is unable to make direct contact with the instructor and is unable to leave word with the instructor’s department because of circumstances beyond the student’s control, and in cases of bereavement, quarantine, or isolation, the student or the student’s representative should contact the Office of the Dean of Students via email or phone at 765-494-1747.

Quarantine or Isolation
If you become quarantined or isolated at any point in time during the semester AND you have worked through the Protect Purdue Health Center, the Office of the Dean of Students is automatically notified and they send an absence letter to all your instructors and advisors. If you work with a doctor outside of PPHC the process is not automatic. In addition to support from the Protect Purdue Health Center, you will also have access to an academic case manager who can provide you academic support during this time. Your academic case manager can be reached at acmq@purdue.edu and will provide you with general guidelines/resources around communicating with your instructors, be available for academic support, and offer suggestions for how to be successful when learning remotely.

Importantly, if you find yourself too sick to progress in the course, notify your academic case manager and notify Dr. Harwood via email or Brightspace. We will make arrangements for you to continue to learn remotely based on your particular situation and we are happy to work with and support you. The Office of the Dean of Students (odos@purdue.edu) is also available to support you should this situation occur.

Grief Absence Policy for Students (GAPS)
If you experience the death of a family member or close friend, notify the Office of the Dean of Students at 765-494-1747. The student will need to complete the Grief Absence Request Form (https://www.purdue.edu/advocacy/students/absences.html). Scores for any missed assignments under a verified GAPS absence will be pro-rated (assigned a score based on your average and the class average). See the Lecture or Lab Course Coordinator for more information.

MAPS Absence Policy for Students (MAPS)
A student should contact the Office of the Dean of Students to request that a notice of the leave be sent to instructors as soon as the student is informed of the dates of mandatory military training. The student will need to complete the Military Absence Request Form (https://www.purdue.edu/advocacy/students/absences.html). Given proper documentation, the instructor will excuse the student from class and provide the opportunity to earn equivalent credit and to demonstrate evidence of meeting the learning outcomes for missed assignments or assessments.

Absences Due to University Sponsored Activities
A student should bring his or her letter stating the reason for the absence to the instructor as far in advance as possible. The student and instructor will meet to discuss the absence and how, if possible, the learning outcomes associated with any missed class activities may be addressed.
Mental health and Wellness Statement

If you find yourself beginning to feel some stressed, anxious and/or slightly overwhelmed, try WellTrack. Sign in and find information and tools at your fingertips, available to you at any time.

If you need support and information about options and resources to help you, please contact or see the Office of the Dean of Students. Call 765-494-1747. Hours of operation are M-F, 8:00 a.m. - 5:00 p.m.

If you find yourself struggling to find a healthy balance between academics, social life, stress, etc., sign up for free one-on-one virtual or in-person sessions with a Purdue Wellness Coach at RecWell. Student coaches can help you navigate through barriers and challenges toward your goals throughout the semester. Sign up is completely free and can be done on BoilerConnect.

If you’re struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help, such individuals should contact Counseling and Psychological Services (CAPS) at 765-494-6995 during and after hours, on weekends and holidays, or by going to the CAPS office on the second floor of the Purdue University Student Health Center (PUSH) during business hours.

Protect Purdue

The Protect Purdue Plan, which includes the Protect Purdue Pledge, is campus policy and as such all members of the Purdue community must comply with the required health and safety guidelines. Required behaviors in this class include: staying home and contacting the Protect Purdue Health Center (765-496-INFO) if you feel ill or know you have been exposed to the virus, wearing a mask in classrooms and campus buildings, at all times (e.g., no eating/drinking in the classroom), disinfecting desk/workspace prior to and after use, maintaining proper social distancing with peers and instructors (including when entering/exiting classrooms), refraining from moving furniture, avoiding shared use of personal items, maintaining robust hygiene (e.g., handwashing, disposal of tissues) prior to, during and after class, and following all safety directions from the instructor.

Students who are not engaging in these behaviors (e.g., wearing a mask) will be offered the opportunity to comply. If non-compliance continues, possible results include instructors asking the student to leave class and instructors dismissing the whole class. Students who do not comply with the required health behaviors are violating the University Code of Conduct and will be reported to the Office of the Dean of Students with sanctions ranging from educational requirements to dismissal from the University.

Any student who has substantial reason to believe that another person in a campus room (e.g., classroom) is threatening the safety of others by not complying (e.g., not wearing a mask) may leave the room without consequence. The student is encouraged to report the behavior to and discuss next steps with their instructor. Students also have the option of reporting the behavior to the Office of the Student Rights and Responsibilities. See also Purdue University Bill of Student Rights.

For details about other Purdue University policies, including academic integrity, class attendance and absence reporting, emergency, nondiscrimination, and disability services, see the course Brightspace site.

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<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture Topic</th>
<th>Reading (textbook)</th>
<th>Laboratory (Top Hat laboratory manual)</th>
<th>Quizzes</th>
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<tbody>
<tr>
<td>1</td>
<td>14-Jun</td>
<td>Introduction</td>
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<td></td>
<td>16-Jun</td>
<td>Intermolecular Forces; Liquid Properties; Phase Changes</td>
<td>11.2-11.3: pp 465-474; 11.8: pp 495-498</td>
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<td></td>
<td>17-Jun</td>
<td>Solutions &amp; Solubility; Solution Properties</td>
<td>12.1-12.3: pp 514-522; 12.6-12.7: pp 527-540</td>
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<td><strong>NO LABS WEEK 1</strong> Purchase and set up TopHat Lab manual and BeyondLabz</td>
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<td>Quiz 1 (Review)</td>
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<td>2</td>
<td>21-Jun</td>
<td>Intermolecular Forces Problem Solving Session**</td>
<td>12.4: pp 522-524</td>
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<td></td>
<td>22-Jun</td>
<td>Equilibrium</td>
<td>14.1-14.2: pp 617-620</td>
<td>L1: IMFs Introduction (Ch. 1)</td>
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<td></td>
<td>23-Jun</td>
<td>Acids and Bases</td>
<td>15.1-15.2: pp 661-664</td>
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<td></td>
<td>24-Jun</td>
<td>Acids and Bases – pH</td>
<td>15.3: pp 664-669</td>
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<td>Quiz 2 (IMF)</td>
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<td>3</td>
<td>28-Jun</td>
<td>Strong Acid-Base Problem Solving Session**</td>
<td>15.4-15.5: pp 670-681</td>
<td>L2: IMFs Applications (Ch. 2)</td>
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<td>29-Jun</td>
<td>Weak Acids and Bases</td>
<td>15.6-15.8: pp 681-688</td>
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<td>30-Jun</td>
<td>Weak Acids and Bases</td>
<td>15.9: pp 688-697</td>
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<td>01-Jul</td>
<td>Salt Solutions &amp; pH; Common Ion Effect</td>
<td>16.1-16.2: pp 715-719</td>
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<td>Quiz 3 (Equilibrium/Acid-Base)</td>
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<tr>
<td>4</td>
<td>05-Jul</td>
<td>4th OF JULY HOLIDAY</td>
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<td></td>
<td>06-Jul</td>
<td>Weak Acid-Base Problem Solving Session**</td>
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<td>07-Jul</td>
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<td>08-Jul</td>
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** Synchronous online session through Zoom during regular class meeting (2:10-3:00 pm). Will be recorded and posted on Brightspace.
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