
CHEM 1152 - 016

Course Prefix and # CHEM 1152 - 016

CRN: 16003

Professor Name: Shalini Jain

Term & Year: Spring 2021

Email: sjain11@gsu.edu

Time and Room #: This is a completely online course so all lectures, quizzes, or exams in this course will be given online asynchronously. There will be no required in person or synchronous meetings.

Point of Contact: If you experience any issues with iCollege, or have any course related questions please reach out to me at (sjain11@gsu.edu) as the primary source of support. However, if I am unavailable, college is also providing a second contact to be sure that your issues are addressed. For this course, an additional contact person is: Dr. Solomon Fesseha, Email: sfesseha@gsu.edu

Tutoring Hours: Through WebEx by appointment only

Monday: 9.00 – 11.00 AM

Tuesday: 9.00 – 11.00 AM

Wednesday: 10.00 – 12.00 PM

Thursday: 10.00 – 12.00 PM

Welcome to CHEM 1152-004: Survey of Chemistry I

My name is Shalini Jain and I'll be your instructor for this course. You can call me Shalini. Although I have been teaching this course for more than 10 years, yet every year I feel I get to learn something new through our interactive discussions.

I am sure we're going to have a great time this semester exploring fundamentals of Chemistry together in this course.

Important Dates

Classes Begin – January 11th 2021

University Official Holiday – January 18th 2021

Midpoint and last day to withdraw with W – March 2nd 2021

Spring Break – March 15th – March 21st

Last day of classes: April 26th

Final Exam – Students can take final exam anytime between April 27th, 2021, 8:00 AM and April 29th, 2021 at 11:59 PM.

Grades Available to Students via PAWS: May 7th after 5 PM

Course Description

Chem1152, second course in a two-semester sequence covering elementary principles of general, organic and biochemistry designed for allied health majors. Nursing and dental hygiene students planning to pursue a baccalaureate degree may need to enroll in CHEM 1152. The primary topics are basic functional groups and reactions of organic molecules. Additionally, carbohydrates, lipids, proteins, and enzymes are introduced.

COREQUISITE: CHEM 1152 Lab

PREREQUISITE: CHEM 1151 Lecture and Lab with a grade of C or better or CHEM 1212 lecture and lab with a grade of C or better.

Course Outcomes: The following Expected Educational Results (EER's) are the broad principles upon which the final exam is based. The final exam and Midterm is a college wide exam prepared by American Chemical Society or Alternatively by Georgia state Professors. Review these EER's constantly throughout the semester to remind yourself of the broader scope of this course and how it is assessed on the final exam. Upon successful completion of this course, the student should be able to:

1. Recognize organic functional groups from the structural formula.
2. Convert one functional group into another via the appropriate chemical reaction.
3. Given the structural formula, name common types of organic compounds or vice-versa.

4. Relate physical and chemical properties to molecular structure.
5. Determine whether an organic compound is optically active and describe the significance of optical activity (especially as it applies to biological molecules).
6. Classify biological molecules according to their molecular structures and recognize their roles in biological systems.

Assessments:

I've designed a variety of assessments to help you practice your disciplinary thinking and skills.

Category 1	Icollege Homework quizzes	10 %
Category 2	Test	60 %
Category 3	Midterm	15 %
Category 4	Final Exam	15 %
Category 3	Bonus Assignments on icollege	10 %

Grade Breakdown

This is how Chemistry awards grades for courses:

Grade Category A	90 - 100 %
Grade Category B	80-89 %
Grade Category C	70 – 79 %
Grade Category D	60 – 69 %
Grade Category F	Less than 60 %

Important Requirement : To take quizzes and tests including final exam you will need to download the free program called Respondus Lockdown-Browser. Additionally, you will need a web camera attached to a real laptop or desktop computer. You can't take your quizzes and tests on a phone, tablet, or Chromebook. Students are strongly encouraged to watch the video posted on icollege on how to correctly set up the camera before taking any tests or exams.

Test: There will be total four-unit tests in this course. Multiple choice and free response questions will be given based on the theory including problems. If a student misses one exam, that will be a dropped exam. The next missed exam will be graded as zero. Highest three class exams will be considered for final grading. Students are not allowed to use computers, cell phones, computerized dictionaries, programmable calculators or molecular models during the exam. There will be no make-up exam after the scheduled test date.

Icollege Homework Quizzes: icollege homework will be posted under the assessment tab in quizzes module and a link is posted under each weekly module on icollege.

Extra Credit Bonus Assignments: Online homework Assignments on icollege will be used as bonus extra credit Homework. Assignments will be given from each chapter. Specific chapters covering each unit will be available from start day of the lecture until the test day only. Icollege bonus assignments need to be turned in drop box and all work needs to be shown, no work no credit. No extra time will be given to complete the homework after the due date has passed.

Course Key for mastering in Chemistry: If you are planning on using Mastering in chemistry, please let me know and I will provide the course id and information to register for it.

Course Help:

This is a completely online course. All the lecture notes and supplementary study material will be posted online in icollege. Student can go through the material at their own time. Students are welcome to schedule tutoring session with me through Webex on icollege. Tutoring hours are posted in the beginning of syllabus.

How Do I Contact You?

I prefer to be contacted in the following way(s):

iCollege – You can email me using icollege for any course related questions or alternatively Email me using your GSU Email at sjain11@gsu.edu. Make sure to mention your course number whenever you email me.

How Do I Access My Course?

You can login to your course via iCollege. If you need more help, you can review the Welcome to iCollege help-guide. If you have problems accessing your course, please contact at

Phone: 404-413-HELP (404-413-4357)

Email: help@gsu.edu

What Are the Required and Optional Materials?

Student can use any or both options provided below.

TEXT: "General, Organic, and Biological Chemistry – Structures of Life vol. 1 (softcover)" 6th edition., Karen C. Timberlake; Prentice Hall; available through the Perimeter College at Georgia State University bookstore as a special 'Georgia Perimeter College Edition' comes bundled with Mastering Chemistry access card and online access passcode. This configuration is not available separately from 3rd party resellers such as Amazon or eBay at this price point.

Supplemental e-book: A supplemental digital textbook for the same course authored by Perimeter College Faculty members will be introduced to the students. Web version of this ebook is available at <https://chemistrylearningbydoing.org>. A study is conducted to evaluate future use of the eText and students are strongly encouraged to participate in the study. Students need to complete the consent and questionnaire forms in order to participate in this study. These are given in iCollege. Students personal information will not be published for evaluating this e-textbook. Students will be assigned with extra credit points for evaluation.

Students need to register on this website <https://chemistrylearningbydoing.org/> and then they will receive an activation email to activate their membership. Registration activation email may go to "junk" folder due to GSU protocols. Once they activate, they should be able to navigate through the website to access all the modules. CHEM 1152 modules are located under "CHEM 1152" tab on HOME page. Each Module contains Chapter materials along with practice quiz for students.

Course Key:

If a student chooses to use Text book and mastering in chemistry course instead of online e-book, student need to purchase the code. Then follow the directions below to register for course.

To register for CHEM 1152 - 016:

1. Go to <https://www.pearson.com/mastering>.
2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor's course ID: jain20964, and Continue.
5. Enter your existing Pearson account username and password to Sign In. You have an account if you have ever used a MyLab or Mastering product.
 - » If you don't have an account, select Create and complete the required fields.
6. Select an access option.
 - » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
 - » If available for your course,
 - Buy access using a credit card or PayPal.
 - Get temporary access. If you're taking another semester of a course, you skip this step.
7. From the You're Done! page, select Go To My Courses.
8. On the My Courses page, select the course name CHEM 1152 - 016 to start your work.

To sign in later:

1. Go to <https://www.pearson.com/mastering>.
2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select the course name CHEM 1152 - 016 to start your work.

To upgrade temporary access to full access:

1. Go to <https://www.pearson.com/mastering>.
2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select Upgrade access for CHEM 1152 - 016.
5. Enter an access code or buy access with a credit card or PayPal.

*Assignment given in mastering in chemistry are for practice purpose only, students will not receive any extra credit for doing these assignments.

RESOURCES: A basic scientific calculator is required. Programmable and graphing calculators are not allowed.

Are There Any Required Meetings?

Since it is a completely online course, there will be no required synchronous meetings in this course. Students are welcome to schedule tutoring sessions with me using Webex link on icollege.

How Do I Succeed in this Course?

If this is your first time taking an online course, you should refer to GSU's Keep Learning: Resources For Learning Away From Campus.

Tips for using new study habits for successful learning:

- Do not keep rereading text or notes.
- Ask yourself questions as you read.
- Self-test by giving yourself quizzes.
- Study at a regular pace rather than cramming.
- Study different topics in a chapter and relate the new concepts to concepts you already know.
- working Practice Problems and checking answers
- keeping a problem notebook
- Do not procrastinate, finishing work on time is the key to success in online course.

Tentative Schedule:

SCHEDULE

Although this is an online course, we do have a set schedule. Please note that deviations may become necessary as the semester progresses. You'll want to refer to the calendar below frequently as we work together. I've also designed the iCollege course in such a way to help us all stay on track. If this is your first time taking a blended course, you'll want to review the Online Time Management Essentials guide. Please note that deviations may become necessary as the semester progresses.

This course is divided into **16 weeks of learning and testing**. For detailed information about what's required for each week, visit iCollege. While you're working, I'll also be working hard to give you quality feedback and grade your assessments by the end of each week.

So, how much time do you need to spend working on this course? Well, since this is a 3-Credit Hour course GSU recommends that you spend around 3 hours or more per week interacting with readings, videos, and other sorts of content and then 3 hours per credit hour per week completing activities and assessments.

Please talk to me and your advisor before withdrawing from this course. We care about your success and are here to discuss your options with you. The last day to withdraw with a W is March 2nd.

SCHEDULE OF COURSE CONTENT

Week of January 11 th	Chapter 12 Introduction to Organic Chemistry: (Saturated Hydrocarbons; Alkanes/Cycloalkanes) naming alkanes and cycloalkanes, drawing line-bond formulas, constitutional isomers, conformers (eclipsed/staggered), cis - trans isomers, combustion/halogenations rxns Online e-book Module 10
Week of January 18 th	Chapter 12 (Alkenes, Alkynes, and Aromatic Compounds) (Unsaturated Hydrocarbons) naming alkenes , cycloalkenes, alkynes, and benzene (Ph-H) derivatives, alkene additions rxns (four major types i.e. , 4H), application of Markovnikov's rule , aromaticity and delocalized bonds, sulfonation, nitration, and halogenation rxns of Ph-H Online e-book Module 11

University Official Holiday – January 18th	
Week of January 25 th	Chapter 12... Online e-book Module 11
Exam 1 (Chapter 12) 100 pts Take anytime between February 1st 8:00 AM and February 2nd 11:59 PM.	
Week of February 1st	Chapter 13, Alcohols , Phenols, Thiols, and Ethers naming ROH, PhOH , and ROR, effect of H-bonding on b.p. and solubility , ROH rxns(oxid/dehydration/halogenation) Suggested in-chapter problems include all odd numbered problems with listed answers Online e-book Module 12
Week of February 8 th	Chapter 13... Online e-book Module 12
Week of February 15 th	Chapter 14 Aldehydes and Ketones naming aldehydes and ketones, oxidation of RCHO (use of Benedict's reagent, and Tollen's reagent) reduction of RCHO/R ₂ CO , formation of hemiacetals, acidic hydrolysis of acetals, chirality and optical activity, identifying chiral centers, stereoisomers (enantiomers versus diastereomers), drawing Fischer projections Online e-book Module 13 Online e-book Module 15
Exam 2 (Chapter 13 and 14) 100 pts	

Take anytime between February 22nd 8:00 AM and February 23rd 11:59 PM.	
Week of February 22 nd	Chapter 16 - Carboxylic Acids and Derivatives naming carboxylic acids and esters, esterification of RCOOH, carboxylate salts, pKa of RCOOH (~5), acidic and basic hydrolysis, (saponification) of esters Online e-book Module 14
Week of March 1 st	Chapter 18 - Amines and Amides naming amines and amide, classification of amines, basicity of amines, amine salts, hydrolysis of amides Online e-book Module 18
Midterm (Comprehensive exam on Chapter 12, 13, 14, 16 and 18)	
Take Midterm anytime between March 8th 8 Am and March 9th 11.59 PM.	
Week of March 8 th	Chapter 15 (Carbohydrate) Classes of Carbohydrates, Drawing Haworth Projections, Reducing and Non reducing Sugars, Designation of Glycosidic Linkages Online e-book Module 16
Spring Break – March 15th – March 21st	
Week of March 22 nd	Chapter 17 - Lipids - types of lipids, effect of chain length and degree of unsaturation on physical properties of fatty acids, saponification, membrane lipids, membrane transport, lipid bilayer, bile acids, steroid hormones, biological waxes Online e-book Module 17
Week of March 29 th	Chapter 19 - Amino Acids and Proteins

	<p>functional classification of proteins, pH and the isoelectric point, types of protein structure, zwitterions, peptides, disulfide bond, fibrous versus globular proteins, glycoproteins versus lipoproteins</p> <p>Online e-book Module 19</p>
<p>Exam 3 (Chapter 15, 17, 19)</p> <p>Take anytime between April 5th 8:00 AM and April 6th 11:59 PM.</p>	
Week of April 6 th	<p>Chapter 20 - Enzymes and Vitamins</p> <p>therapeutic and diagnostic use of enzymes, simple vs conjugated enzymes, classes of enzymes, substrate/enzyme active site, factors that affect enzyme activity, induced-fit model, modes of enzyme inhibition, functions of water/fat-soluble vitamins</p> <p>Online e-book Module 20</p>
Week of April 13 th	<p>Chapter 21 – Nucleic Acid and Protein Synthesis</p> <p>Online e-book Module 21</p> <p>Chapter 22 – Metabolic Pathway for Carbohydrates</p> <p>Online e-book Module 22</p>
Week of April 20 th	<p>Chapter 23 – Metabolism and Energy Production</p> <p>Online e-book Module 23</p> <p>Chapter 24 – Metabolic Pathway for Lipids and Amino Acids</p> <p>Online e-book Module 24</p>
<p>Exam 4 (Chapter 20, 21, 22, 23 and 24)</p>	

Take anytime between April 25th 8:00 AM and April 26th 11:59 PM.

Final Exam CHEM 1152-016

It is a 55-minute long exam. Students are allowed to take it anytime between April 27th 8:00 AM and April 29th 11:59 PM.

COURSE POLICIES

I have developed several policies that seem to work well in this course. Please review these very closely. You'll have an opportunity to voice your opinion on these policies and other aspects of the course when we reach evaluation points during the semester.

Attendance and Participation Policy

Online classes: Although this is an online course, students are required to complete Roll verification and syllabus read quiz before the due date posted on the quiz. This will be used for your attendance in class for the first week. Additionally, students are required to complete all the homework quizzes and exam on time. Timely completion of these quizzes / homework will be used for attendance purpose in class.

Make-up Tests Policy

There will be total 4, 75-minute-long online tests in this course. One of your lowest test grades will be dropped. Students will get 40 hours to finish the exams. If a student informs in advance that he/she is going to miss the exam, then make up exam may be given 2-3 days before the scheduled test date. There will be no make-up test if the student informs after the scheduled test date. Make-up exam can be taken only before the scheduled test date only.

Course Evaluation and Evolution

Your constructive assessment of this course plays an indispensable role in shaping education at Perimeter College of Georgia State.

Upon completing the course, please take time to fill out the online course evaluation.

OTHER POLICIES

Face coverings:

Georgia State University and the University System of Georgia have mandated a face covering policy. Students are required to wear an appropriate face covering while inside campus facilities (classrooms, hallways, elevators, labs and in all other public spaces) because six feet of social distancing may not always be possible. Face coverings will be worn in addition to and not as a substitute for social distancing. Face coverings aren't required in one's own dorm room or suite, when alone in an enclosed office or study room, or in campus outdoor settings where social distancing requirements are met.

Anyone not using a face covering when required will be asked to wear one or leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code for students. Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons. To request an accommodation, start with the Access & Accommodations Center Welcome Form found at How to Connect.

When you wear a face covering, you're protecting yourself, but equally important, you're protecting other members of the university community. You're showing you're taking responsibility for the welfare of those around you.

Student illness:

If a student develops a fever, cough or shortness of breath they should stay at home, not go to class or work, and stay away from other people. If a student becomes sick or is required to quarantine during the semester, they should notify their instructor as soon as possible. The student will work with the instructor to develop a plan to complete the necessary course content, activities, and assessments in order to meet the course student learning outcomes.

Academic Honesty

Cheating on any assignment, quiz, test, or final exam will not be tolerated. Student caught cheating will get a zero (0) for the work in question and/or may be referred to the College Court for assignment of penalty which may include suspension from the College. Read the Academic Honesty Policy.

Any zero (0) resulting from a cheating episode will be included in the student's course average.

Cheating includes any attempt to defraud, deceive, or mislead the instructor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting as one's own the ideas or work of another. Academic Dishonesty Procedures have been established by Perimeter College to insure due process in cases of cheating and plagiarism. A copy of these procedures can be found in the Student Handbook.

Unless specifically authorized by the instructor, the following are the examples of cheating and plagiarism. This is not an exhaustive list.

A. On a test/quiz/final exam:

1. Looking at or copying from another student's work.
2. Allowing another student look at or copy your work.
3. Exchanging information with another student.
4. Opening a textbook or notebook.
5. Looking at notes or using phone or other electronic devices

B. On homework or other out-of-class assignments:

1. Copying work or answers from another student.
2. Copying work word for word or answers from a book or publication
3. Having another person do the work for you.
4. Allowing another student to use your work as his/her own

C. For late work or tests:

Providing false information or documents in order to be allowed to make up a missed quiz, test, work, or final exam.

- Make sure your webcam is set up properly before taking any test / quiz.
- For a full extent of academic dishonesty and plagiarism please follow the link <https://deanofstudents.gsu.edu/student-conductpolicy-on-academic-honesty/>
Make sure your webcam is set up properly before taking any test / quiz.

Special Needs

Students who wish to request accommodation for a disability may do so by registering with the Office of Access & Accommodations Services. Students may only be accommodated upon issuance by the Office of Access & Accommodations Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought.

Students with special needs should then make an appointment with me during the first week of class to discuss any accommodations that need to be made.

FERPA

In keeping with USG and university policy, this course website will make every effort to maintain the privacy and accuracy of your personal information. Specifically, unless otherwise noted, it will not actively share personal information gathered from the site with anyone except university employees whose responsibilities require access to said records. However, some information collected from the site may be subject to the Georgia Open Records Act. This means that while we do not actively share information, in some cases we may be compelled by law to release information gathered from the site. Also, the site will be managed in compliance with the Family Educational Rights and Privacy Act (FERPA), which prohibits the release of education records without student permission.

Sexual Harassment

In instances of sexual misconduct, the present instructor(s) and teaching assistants, are designated as Responsible Employees who are required to share with administrative officials all reports of sexual misconduct for university review. If you wish to disclose an incident of sexual misconduct confidentially, there are options on campus for you to do so. For more information on this policy, please refer to the Sexual Misconduct Policy which is included in the Georgia State University Student Code of Conduct.

Basic Needs Statement

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable us to provide resources that we may possess. The [Embark program at GSU](#) provides resources for students facing homelessness.

Campus Carry

The Campus Carry legislation allows anyone properly licensed in the state of Georgia to carry a handgun in a concealed manner on university property with noted exceptions. Information about the law can be found at safety.gsu.edu/campus-carry. It is the responsibility of the license holder to know the law. Failure to do so may result in a misdemeanor charge and may

violate the Georgia State Student Code of Conduct.” Please follow the guidelines established by the BOR.

GSU Policy Prohibiting Students from Posting Instructor-Generated Materials on External Sites

The selling, sharing, publishing, presenting, or distributing of instructor-prepared course lecture notes, videos, audio recordings, or any other instructor-produced materials from any course for any commercial purpose is strictly prohibited unless explicit written permission is granted in advance by the course instructor. This includes posting any materials on websites such as Chegg, Course Hero, OneClass, Stuvia, StuDocu and other similar sites. Unauthorized sale or commercial distribution of such material is a violation of the instructor’s intellectual property and the privacy rights of students attending the class is prohibited.



**CHEMISTRY 1152 - SURVEY
OF CHEMISTRY 2
Semester: Spring 2021**

Dr. Maher Atteya, Professor of Chemistry

CRN #/Section: CHEM 1152- 022 (CRN # 15827)

Lecture Room: Online

Day/Time Lecture: Online

Office Phone No.: 678-891-3350

Office: CC - 1122

Office Hours: Online Via Webex (Optional)

Google Voice Phone #: 404 - 490 -1180

Monday: 2:00 p.m. – 4:00 p.m.

Tuesday: 2:00 p.m. – 4:00 p.m.

Wednesday: 2:00 p.m. – 4:00 p.m.

Thursday: 2:00 p.m. – 4:00 p.m.

Friday: By Appointment Only.

E-mail: matteya@gsu.edu (public)

This syllabus:

"The course syllabus provides a general plan for the course; deviations may be necessary."

"Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take the time to fill out the online course evaluation."

"Students who wish to request accommodation for a disability may do so by registering with the Center of Access and Accommodations. Students may only be accommodated upon issuance by the Office of Disability Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought."

SYLLABUS INFORMATION

Please confirm receiving and reading the No Show (Roll Verification) / Syllabus Confirmation Quiz posted on iCollege.

CO-REQUISITE

Chemistry 1152 Lab

TEXT

eBOOK by Dr. Atteya, Jerry Poteat and
Antara Dutta Website:

<https://chemistrylearningbydoing.org/>

The eBook is a supplemental digital textbook for the same course authored by Perimeter College Faculty members will be introduced to the students. Web version of this eBook is available at <https://chemistrylearningbydoing.org>. A study is conducted to evaluate future use of the eText and students are strongly encouraged to participate in the study. Students need to complete the consent and questionnaire forms in order to participate in this study. Students personal information will not be published for evaluating this e-textbook. Students will be assigned with extra credit points for evaluation.

RESOURCE

A scientific calculator is strongly recommended. Calculators may not be shared during an exam and it is the student's responsibility to bring one to the examination.

GSU COURSE SYLLABUS POLICY

1. "The course syllabus provides a general plan for the course; deviations may be necessary."
2. "Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take the time to fill out the online course evaluation."
3. "Students who wish to request accommodation for a disability may do so by registering with the Office of Disability Services. Students may only be accommodated upon issuance by the Office of Disability Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought."

GENERAL COURSE PURPOSE

This course is designed to give students an understanding of the fundamental physical and chemical properties of organic functional groups in organic and biological molecules.

GENERAL EDUCATIONAL OUTCOMES

- A. This course addresses the general education outcome relating to communications as follows:**
- a. Students develop their reading comprehension skills by reading the text and handout materials.
 - b. Students develop their learning skill through lecture and small group problem solving. Lecture material is presented that is not included in the text or handout material and is included as part of the exams or test.
 - c. Students develop their reading and writing skills through the use of problems and activities developed specifically to enhance their understanding of certain chemistry principles. Students provide written or oral solutions to these problems in both individual and group format. They must also contend with short-answer type questions on course exams.
- B. This course addresses the general education outcome relating to demonstrating effective individual and group problem solving and critical thinking skills in variety of ways:**
- a. Students learn individual and group problem solving and critical
 - b. Thinking skills by doing problems both in the classroom settings during the lecture and outside of the classroom.
 - c. Critical thinking skills are encouraged in many ways, one of which is by requesting student response to questions asked during the lecture.
- C. This addresses the general educational outcome relating to recognizing and applying scientific inquiry in a variety of settings as follows:**
- D. 1. Students apply the scientific method in the set-up and solution of the problems designed to illustrate the chemical principles being taught**
- E. 2. Students use models that explain the basic scientific phenomenon and relate it to everyday situations.**
- F. 3. Students use conceptual and physical models to explore theory and relate it to preexisting concepts.**

EXPECTED EDUCATIONAL RESULTS

Upon successful completion of this course, the student should be able to:

1. Recognize organic functional groups from the structural formula.
2. Convert one functional group into another via the appropriate chemical reaction.
3. Name common types of organic compounds or vice versa, given the structural formula.
4. Relate physical and chemical properties to molecular structure.
5. Determine whether an organic compound is optically active and describe the significance of optical activity (especially as it applies to biological molecules).
6. Classify biological molecules according to their molecular structures and recognize their roles in biological systems.

DROP POLICY

If a student drops the lecture, the laboratory course must be dropped and vice versa.

A student, who officially withdraws from the lecture class by the midpoint of a course, will receive "W"; student withdrawals after the midpoint will receive a "WF." There is no longer an "Instructor-initiated withdrawals". It is the responsibility of the student to withdraw from his/her classes.

WITHDRAWAL POLICY

Please check the academic calendar at: <http://registrar.gsu.edu/registration/withdrawals/> for the Midpoint for Full Semester to know the exact date to withdraw from the class. If a student drops the lecture, the laboratory course must be dropped and vice versa. A student, who officially withdraws from the lecture class by the midpoint of a course, will receive "W"; student withdrawals after the midpoint will receive a

"WF." There is no longer an "Instructor-initiated withdrawals". It is the responsibility of the student to withdraw from his/her classes.

ATTENDANCE

Students who never attend a class by the end of the first two weeks of the term will be reported for non-attendance.

Student-initiated: Any student who withdraws from the lecture must also withdraw from the lab or vice versa. A grade of "W" is given when the withdrawal is processed before the midpoint of the quarter. After the midpoint a grade of "WF" is assigned. It is the

responsibility of the student to withdraw from the laboratory class after 2 absences. Instructor can no longer withdraw students from the class.

Students' academic success is the major priority of the college. Because regular participation enhances the learning process, students are expected to adhere to the attendance policy set forth by the college and individual faculty members. Differences in content and teaching styles exist among courses which can impact students' learning.

Therefore, students are strongly encouraged to attend all classes. Students are accountable for assignments and material covered during an absence.

CLASS.

CLASS POLICIES

- 1. The student is responsible for all materials posted and covered and all announcements made in class. None active participation in class does not relieve the student of these responsibilities.
- 2. Regular participation enhances the learning process; therefore students are expected to adhere to the attendance policy set forth by the college and individual faculty members. Differences in content and teaching styles exist among courses, which can impact students' learning. Therefore, students are strongly encouraged to participate in discussions and live chats. Students are accountable for assignments and materials covered during.
- 3. **A grade of "F" will be given to the student who does NOT take the final exam without any documented excuse.**
- 5. Cheating cannot be tolerated and will result in a grade of zero on the test or exam involved.
- 6. Students are encouraged to do the problems at the end of each chapter. The quizzes and the exams will be based on these problems at the end of each chapter.
- 7. Online Assignment Tool will be used. All students encouraged to do all their homework online on time.

GRADES

Grades breakdown	Grade Scale
Quizzes	15%
Exams	50 %
Assignments: chem101	10%
Final Exam (online): ACS – Organic Chemistry Part & ACS – Bio Chemistry Part	25 %

Alphabets Grades Distribution	% Grade Scale
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	Below 60%

Please use the excel file called Grade Book found in the Syllabus folder of this class homepage.

Taking the Final Exam is mandatory. Failure to take the final exam will lead to a grade of F. No Exception.

COURSE CONTENT

Learning Module	Chapter/Module	Notes
Introduction to Organic Chemistry	10	
Hydrocarbons	11	
Alcohols, Phenols, Thiols and Ethers	12	Quiz 1 - Ch. 10 + 11 + 12
	Exam 1	Ch. Ch. 10 + 11 + 12
Aldehydes and Ketones	13	
Carboxylic acids and Esters	14	
Chirality & Chiral Molecules	15	Quiz 2 - Ch. 13 + 14 + 15
	Exam 2	Ch. 13 + 14 + 15
Carbohydrates	16	
Lipids	17	
Amines and Amides	18	Quiz 3 - Ch. 16 + 17 + 18
	Exam 3	Quiz 3 - Ch. 16 + 17 + 18
Amino Acids and Proteins	19	
Enzymes and Vitamins	20	
Nucleic Acids and Proteins Synthesis	21	Quiz 4 - Ch. 19 + 20 + 21
	Exam 4	Ch. 19 + 20 + 21
Metabolic Pathways of Carbohydrates	22	
Metabolism and Energy Production	23	
Metabolic Pathways for Lipids & Amino Acids	24	Quiz 5 - Ch. 22 + 23 + 24
	Exam 5	Ch. 22 + 23 + 24

	ACS Final Exam [Two Portions] (Comprehensive)	ACS Final Exam will be taken online
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DISCLAIMER

The schedule is subjected to a change at the discretion of the instructor.

Quizzes and Exams can be taken on campus or online via iCollege platform.

ACADEMIC HONESTY POLICY

GSU's Academic Honesty Policy can be found at the following link:

<http://codeofconduct.gsu.edu/files/2013/03/2014-2015-Section-II-Academic-Conduct-Student-Code-of-Conduct.pdf>

Cheating includes any attempt to defraud, deceive, or mislead the instructor in arriving at honest grade assessment.

Plagiarism is a form of cheating that involves presenting, as one's own, the ideas or work of another.

Academic Dishonesty Procedures have been established by GPC to insure due process in case of cheating or plagiarism.

A copy of these procedures can be found in the Student Handbook. Cheating of any kind may result in a penalty ranging from a grade of zero for the work in question to a grade of F in the course and will be referred to the College Court for assignment of penalty, which may include suspension from the College. Referral to the college court is required whether the student admits or denies the violation.

The following are examples of cheating. This is not an exhaustive list.

A. On a test or a quiz:

1. Looking or copying from another student's work.
2. Allowing another student to look or copy your work.
3. Exchanging information with another student.
4. Speaking or whispering. (You may speak to the instructor)
5. Opening textbook or notebook.
6. Looking at notes.

B. On Homework or out-of-class assignment:

1. Copying work or answers from another student.
2. Copying work or answers from a book.
3. Having another person to work for you.
4. Allowing another student to use your work as his or her own.

C. For late work or tests:

Providing false information or documents in order to be allowed to make up a missed test, quiz, or homework.

AMERICANS WITH DISABILITIES ACT STATEMENT

Online Students:

"It is the policy and practice of GPC to make all Web information accessible to students with disabilities. If you, as a student with a disability, have difficulty accessing any part of the online course materials for this class, please notify the instructor immediately."

On Campus Students:

If you are a student who is disabled as defined under the American with disabilities Act and require assistance or support services, please seek assistance through the Center for Disability Services. A CDS counselor will coordinate those services.

CENTER FOR DISABILITY SERVICES “CDS”

Students with a documented disability who require support services are encouraged to contact the counselors at the Center for Disability Services to determine whether they qualify for support services. (i.e. Tutors, interpreters, etc).

EQUAL OPPORTUNITY STATEMENT

No person shall, on grounds of race, color, sex, religion, creed, national origin, age or disability, be excluded from employment or participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity conducted by Georgia Perimeter College.

Perimeter College seeks to provide an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault, we encourage you to report this. If you report this to a faculty member, he or she must notify one of our college's Assistant Title IX Coordinators / Student Deans about the basic facts of the incident (you may choose whether you or anyone involved is identified by name). For more information please refer to our sexual misconduct website

AFFIRMATIVE ACTION STATEMENT

GPC adheres to the affirmative action policies designed to promote diversity and equal opportunity for all faculty, staff, and student

VETERAN AND SERVING MILITARY STATEMENT

GPC honors its military and veteran men and women returning to pursue their educational goals. A Military Outreach Center is provided for them on the ground floor of Building H on the Clarkston Campus. Veterans, serving military, their dependents, and the survivors of serving military who are attending college are encouraged to avail themselves of a full range of college services and activities through the MOC. MOC resource tables are also located on all campuses to provide them with valuable information. The Center maintains a Military Outreach website at <http://depts.gpc.edu/militaryoutreach/> and their telephone number is 678-891-3025.

Learning and Tutoring Center

The LTC offers FREE, walk-in tutoring and academic support at FIVE Perimeter College campuses. The LTC provides a variety of other resources and services to accommodate student needs. All LTCs are equipped with computers, instructional software and internet access. Please visit the LTC's website (i.e. success.students.gsu.edu/ltc) to find information about locations, hours of operation, tutoring and workshop schedules, handouts, online tutoring and links to online practice resources.

Contacts:

Alpharetta Campus: Dr. Lizann Gibson, lgibson@gsu.edu
 Clarkston Campus: Mary Hamilton, mhamilton@gsu.edu
 Decatur Campus: Sohayla Mohebbi, smohebbi@gsu.edu
 Dunwoody Campus: Nancy McDaniel, nmcdaniel@gsu.edu
 Newton Campus: Arne Paulsen, apaulsen@gsu.edu

IMPORTANT DAYS

Spring 2021 Semester Calendar			
Events	Full Semester	Mini-Mester I	Mini-Mester II
Schedule of Classes available on PAWS	Oct 12	Oct 12	Oct 12
Registration	Nov 2 – Jan 10	Nov 2 – Jan 10	Nov 2 – Jan 10
Late Registration	Jan 11 – 15	Jan 11 – 15	Jan 11 – 15
Classes Begin	Jan 11	Jan 11	Mar 1
Holiday (MLK)	Jan 18	Jan 18	N/A
Midpoint	Mar 2	Jan 29	Mar 26
Spring Break	Mar 15 – 21	N/A	Mar 15 – 21
Classes End	Apr 26	Feb 24	Apr 20
Final Exams	Apr 27 – May 4	Feb 25 – 27	Apr 21 – 23
Grades Due at 5 p.m.	May 6	Mar 2	May 6

Georgia State University, Perimeter College, Clarkston Campus
Department of Physical Sciences
Chemistry 1152-006, Survey of Chemistry II
Spring 2021

Instructor: Dr. Vivian V. Mativo

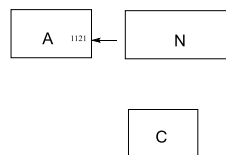
e-mail: vmativo@gsu.edu

(For the fastest response, this is the best way to contact me. I check email regularly (**but not constantly, and not at night**) during the week M – F and at least once on Sunday. Using iCollege would be the next best way to reach me however, I do not check iCollege as often.)

Phone: 678-891-3777

Office: CA-1121

Map to my office:



Tutoring/Advising All tutoring/advising will occur virtually in my personal WebEx room. Here is the link: <https://gsu meetings.webex.com/meet/vmativo>

Please send me an email (to vmativo@gsu.edu) ahead of time to let me know that you want to meet, that will ensure that I am available to meet with you promptly. Here are times that I am readily available. Other times may be possible, feel free to ask.

M: 2:00 pm – 5:00 pm T: 10:00 am – 1:00 pm W: 11:00 am – 3:00 pm;
R, F: by appointment

Text: There is no required textbook for this course. We will be using online resources. You will be given links to the online material in the detailed schedule which can be found on iCollege. Material will primarily come from the following sites:

[https://chem.libretexts.org/Bookshelves/Introductory_Chemistry/Book%3A_The_Basics_of_GOB_Chemistry_\(Ball_et_al.\)](https://chem.libretexts.org/Bookshelves/Introductory_Chemistry/Book%3A_The_Basics_of_GOB_Chemistry_(Ball_et_al.)). You can download a PDF version if you want.

<https://www.saddleback.edu/faculty/jzoval/free-general-organic-and.html> This site has an entire textbook you can download as a PDF.

<https://chemistrylearningbydoing.org/> You will need to register to use this site, registration is free.

If you prefer to purchase a textbook, the following is available through the bookstore, General Organic and Biological Chemistry, Timberlake, Pearson Learning Solutions, **ISBN-13:** 9781323859117

Other Requirements **1. Respondus Lockdown Browser and Respondus Monitor (webcam)** for use when taking exams. Please note that Respondus is not compatible with phones or chromebooks so you will need access to a computer or ipad for taking an exam. **If you are planning on using an ipad to take exams, please be sure to notify me in advance as I need to set it up.** The webcam can be built into your computer or can be the type that plugs in with a USB cable. Watch this video to

get a basic understanding of LockDown Browser and the webcam feature:
https://cdnapisec.kaltura.com/index.php/extwidget/preview/partner_id/1959611/ui_conf_id/31355121/entry_id/1_m80fipoc/embed/dynamic

When you go through the Welcome Module on iCollege there is a quiz entitled *Respondus Quiz*. Taking this quiz will prompt you to download and install LockDown Browser and Monitor. You should take this quiz during the first week of class to ensure that everything is working properly. The quiz itself does not require any preparation.

IMPORTANT: if you already have Lockdown Browser from a previous online course, it may or may not work (depending if it is the most recent version or not). You should always uninstall any older version and re-install the most recent version, when prompted at your first quiz.

When taking an online exam that requires LockDown Browser and a webcam, remember the following guidelines:

- Ensure you're in a location where you won't be interrupted
- Turn off all other devices (e.g. tablets, phones, second computers) and place them outside of your reach
- Clear your desk of all external materials not permitted — books, papers, other devices
- Before starting the test/quiz, know how much time is available for it, and that you've allotted sufficient time to complete it (Ex: if the assessment lasts 60 min and it is due at 9:00pm, you won't have enough time if you start it at 8:50pm)
- Remain at your computer for the duration of the test. If you leave you will be assigned a score of zero for that exam.
- If the computer or networking environment is different than what was used previously with the **Webcam Check** and **System & Network Check** in LockDown Browser, run the checks again prior to starting the test
- To produce a good webcam video, do the following:
 - Avoid wearing baseball caps or hats with brims
 - Ensure your computer or tablet is on a firm surface (a desk or table). Do NOT have the computer on your lap, a bed or other surface where the device (or you) are likely to move
 - If using a built-in webcam, avoid tilting the screen after the webcam setup is complete
 - Take the exam in a well-lit room and avoid backlighting, such as sitting with your back to a window
- Remember that LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted

For more information you can read: https://gsutech.service-now.com/sp?id=kb_article&sys_id=f9c2da0fdb889b00601b502bdc961930

2. For quizzes and homework assignments you will need a way to upload your answers. Quizzes and assignments need to be pdf, jpg or png files. I am not able to read HEIC files (those are the ones produced by iPhones). A free app that works well for creating readable files is CamScanner, <https://www.camscanner.com/>.

Prerequisite:

Chem 1151 and 1151 L or 1151K, or Chem 1211 and 1211L or Chem 1951, each with a grade of C or better.

Course Description: Second course in a two course sequence designed for physical education, business, humanities, social sciences, and allied health (Nursing or Dental Hygiene) majors planning to pursue baccalaureate degrees. Topics include general, organic, and biochemistry.

Course Delivery: This course will be taught in the blended format. Blended learning integrates traditional, face-to-face classroom instruction with online asynchronous digital learning. All content will be presented in the online asynchronous digital format. Videos and links to online resources will be available on iCollege in the detailed schedule. Assignments, quizzes and exams will be completed on iCollege as well. Face-to-face instruction will be used for clarification and practice of concepts presented online. Face-to-face instruction will occur on **T or R at 2:30 – 3:45 pm in CB-2303**. Students will be assigned to one of two cohorts. Cohort A will meet on Tuesdays and Cohort B will meet on Thursdays. Please check iCollege to see which cohort you have been assigned to.

The course will be divided into four on-line modules. The modules will present content as well as having assignments that need to be completed. There will be an exam at the end of each module.

Learning Outcomes: After successful completion of this course, the student should be able to:

1. Recognize organic functional groups from the structural formula.
2. Convert one functional group into another via the appropriate chemical reaction.
3. Given the structural formula, name common types of organic compounds and vice –versa.
4. Relate physical and chemical properties to molecular structure
5. Determine whether an organic compound is optically active and describe the significance of optical activity (especially as it applies to biological molecules).
6. Classify biological molecules according to their molecular structures and recognize their roles in biological systems.

Attendance: The student is responsible for all material covered and all announcements made in the class. Absence from class does not relieve one of this responsibility. Attending the assigned in-class sessions is one of the best ways to support student learning and to allow you to connect with your instructor and classmates. The in-class sessions will enable you to ask questions and engage in class discussions and activities in a more-in depth and personal way. Because of this, attendance at the face to face session is expected.

Student Illness: **If a student develops a fever, cough or shortness of breath they should stay at home, not go to class or work, and stay away from other people.** If a student becomes sick or is required to quarantine during the semester, they should notify their instructor as soon as possible. The student will work with the instructor to develop a plan to complete the necessary course content, activities, and assessments in order to meet the course student learning outcomes.

Face Coverings: Georgia State University and the University System of Georgia have mandated a face covering policy. Students are required to wear an appropriate face covering while inside campus facilities (classrooms, hallways, elevators, labs and in all other public spaces) because six feet of social distancing may not always be possible. Face coverings will be worn in addition to and not as a substitute for social distancing. Face coverings aren't required in one's own dorm room or suite, when alone in an enclosed office or study room, or in campus outdoor settings where social distancing requirements are met.

Anyone not using a face covering when required will be asked to wear one or leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code for students. Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons. To request an accommodation, start with the Access & Accommodations Center Welcome Form found at How to Connect.

When you wear a face covering, you're protecting yourself, but equally important, you're protecting other members of the university community. You're showing you're taking responsibility for the welfare of those around you.

The [university's policy on face coverings](#) is available in the university policy library.

Assigned Seats: On the first day of in-person class, students should sit only in seats indicated by a blue GSU "sit here" label. Instructors will then create a seating chart. Students should sit in their assigned seats for each in-person class session. If a student becomes ill, the seating chart will help identify those who may have been in close contact.

Roll Verification: The roll verification period for all Science classes is the first two weeks of class. During the roll verification period for face-to-face classes, it is the responsibility of the student to come to class and sign an attendance sheet in class. In addition, the syllabus quiz on iCollege must be taken. Failure to complete both roll verification tasks by Wednesday, January 27, 2021 will result in the student being reported to the registrar as having *Never Attended*. This will result in the student being removed from the course. Students will not be reinstated into Science courses if they failed to meet the roll verification requirements.

Withdrawal: A student who officially withdraws from a class by the midpoint (**Tuesday, March 2, 2021**) will receive a grade of **W**. It is the responsibility of the student to withdraw from the course. Here are links to the official withdrawal policy: <https://registrar.gsu.edu/regISTRATION/withdrawals/>
<https://catalog.gsu.edu/associate20192020/university-academic-regulations/#revision-of-class-schedules-add-drop-withdraw>

Academic Dishonesty: A student caught cheating on any assignment, quiz, test or any exam will get a zero grade for the work in question and/or may be referred to the College Dean as described by the Policy on Academic Honesty. The policy can be found at the following link: <http://deanofstudents.gsu.edu/faculty-staff-resources/academic-honesty/>

Cheating includes any attempt to defraud, deceive or mislead the instructor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting as one's own the ideas or work of another. The following are examples of cheating or plagiarism. This is not an exhaustive list:

During a quiz, test or exam:

Looking at or copying from another student's work.

Allowing another student to look at or copy your work.

Exchanging information with another student.

Speaking or whispering to one another.

Opening a textbook or notebook.

Looking at notes.

Looking at your electronic device.

Providing false information or documents in order to be allowed to make up a missed quiz or test.

Electronic Devices:	Cell phones should be turned off or on silent during class. The use of air pods, ear buds, cell phones, tablets, apple watch etc. or any other similar electronic device is not permitted during an exam or quiz. If you have these devices they must be stored in your closed bag.
Class Cancellation:	In the event that the face to face session is cancelled due to inclement weather or some other reason, please check iCollege and/or your email for information on how we will make up the material missed. If class is cancelled, there will be an activity/assignment for you to complete.
Course Evaluations:	Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take the time to fill out the online course evaluation
Americans with Disabilities Act Statement:	Students who wish to request accommodation for a disability may do so by registering with the Access and Accommodations Center. Students may only be accommodated upon issuance by the Access and Accommodations Center of a signed Accommodation. Here is a link for further information: https://access.gsu.edu/
Equal Opportunity Statement:	No person shall, on the grounds of race, color, sex, religion, creed, national origin, age, or disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity conducted by Perimeter College.
Affirmative Action Statement:	Perimeter College adheres to affirmative action policies to promote diversity and equal opportunity for all faculty and students.
Title IX:	Perimeter College seeks to provide an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault, we encourage you to report this. If you report this to a faculty member, he or she must notify one of our college's Assistant Title IX Coordinators / Student Deans about the basic facts of the incident (you may choose whether you or anyone involved is identified by name). For more information please refer to our sexual misconduct website – http://deanofstudents.gsu.edu/pc/sexual-misconduct/
Tobacco Policy:	Georgia State University, Perimeter College prohibits the use of tobacco products on any property owned, leased, or controlled by Perimeter College. All faculty, staff, students, visitors, vendors, contractors, and all others are prohibited from using any tobacco products while on Perimeter College property. "Tobacco Products" is defined as cigarettes, pipes, cigars, all forms of smokeless tobacco, clove cigarettes and other smoking devices that use tobacco such as hookahs or simulate the use of tobacco such as electronic cigarettes. http://codeofconduct.gsu.edu/files/2013/03/2013-14-Student-Code-IV.O.-Smoking-Tobacco-Free-Campus-Policy.pdf
Basic Needs Statement:	Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable us to provide resources that we may possess. The Embark program at GSU provides resources for students facing homelessness and Panther's Pantry provides resources for students facing food insecurity.

Other Policies: Classroom policies will be in accordance with the Georgia State University, Perimeter College Code of Conduct. Here is a link to the Code of Conduct: <http://codeofconduct.gsu.edu/>

Learning and Tutoring Center: The LTC offers FREE, walk-in tutoring and academic support at FIVE Perimeter College campuses. The LTC provides a variety of other resources and services to accommodate student needs. All LTCs are equipped with computers, instructional software and internet access. Please visit the LTC's website (<http://success.students.gsu.edu/learning-tutoring-center/>) to find information about locations, hours of operation, tutoring and workshop schedules, handouts, online tutoring and links to online practice resources. Contact: Clarkston Campus: Mary Hamilton, mhamilton@gsu.edu

Help with Online Learning: <https://cetl.gsu.edu/resources/resources-for-learning-remotely/>
Including some helpful videos <https://cetl.gsu.edu/resources/resources-for-learning-remotely/getting-ready-for-learning-online/>

Help with Technology: <https://technology.gsu.edu/technology-services/services-for-you/it-services-for-students/>

Grades: Determination of the final grade for the course will be based on assignments, quizzes, exams and the final exam. The distribution will be as follows:

Assignments	10%
Quizzes	10%
Exams	60%
Final Exam	20%

The final letter grade will be based on the following scale:

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
< 59	F

Grades for individual assignments, quizzes and exams will be posted on iCollege. If you want to calculate your grade at any time during the semester before the final exam, here is the formula you can use.

$$[(\text{Assignment Average}) + (\text{Quiz Average}) + (\text{Exam Average} * 0.60)]/0.80$$

To determine an average, count any unsubmitted assignment, quiz or exam as a zero, add up all the numbers and then divide by how many numbers there are

Assignments: In order to learn chemistry skills, you must practice them. Therefore, you will be given assignments that allow you to practice your newly acquired skills. Many of the quiz and exam problems will be similar to the assignment problems so it is to your advantage to do **all** the required assignments **before** the exam. Assignments will be completed and turned in on iCollege. Once you have submitted an assignment you will have access to the key for that assignment. Each assignment will be worth 10 pts. Assignments will be assigned points based upon if it is complete, if it is accurate and if it was turned in on time. In order to earn all 10 points for an assignment, it must be turned in on time, all questions must be answered and at least 75% of the answers must be correct. If any one of the aforementioned parameters is not met the assignment will be worth less than

10 pts. *Neglecting to complete the assignments will most assuredly negatively affect your performance on exams in this class. In addition, neglecting to complete the assignments can lower your final grade by a letter grade.*

Quizzes: There will a short quiz given every week (starting week 2) unless there is an exam that week. The quizzes will be given on iCollege. You will have 30 minutes to complete a quiz and must complete the quiz during one 30 min period, you will not be able to start and continue later. You will have a 48 hr window, from Friday 6am until Sunday 6am, during which you can take the quiz.

Exams: There will be four exams given on the following dates. The exams will be given on iCollege. You will have 75 minutes to complete an exam and must complete the exam during one 75 min period, you will not be able to start and continue later. You will have a 48 hr window, from Friday 6am until Sunday 6am, during which you can take the exam.

Friday, 6am – Sunday, 6 am, February 5-7

Friday, 6am – Sunday, 6 am, March 5-7

Friday, 6am – Sunday, 6 am, April 9-11

Friday, 6am – Sunday, 6 am, April 23-25

There will be no make-up exams. If you miss an exam you will receive a score of zero for that exam unless you provide documentation for proof of an university excused absence. See p. 29 of the student code of conduct for information about university excused absences. Here is the link to download the student code of conduct:
<http://codeofconduct.gsu.edu/>

Reminder of proper test etiquette when taking an online exam using Respondus:

You are NOT allowed to use your lecture book (hardcopy or electronic on separate device), notes, outlines, study guides, or PowerPoints for tests. Every test will require *Respondus Lockdown Browser* and *Respondus Monitor (webcam)*.

During the initial set-up of each test, you will be required to perform a webcam check, show your student ID, perform a **COMPLETE ENVIRONMENT CHECK**, and facial detection check (Respondus will guide you through each step).

- In the ENVIRONMENT CHECK, Make sure the area around YOU and YOUR COMPUTER are clear of papers, books, phones, etc. IT IS YOUR RESPONSIBILITY TO MAKE SURE ANYONE REVIEWING THE VIDEO OF YOU TAKING THE TEST CAN BE CONFIDENT YOU DO NOT HAVE ACCESS TO ANYTHING THAT WOULD ALLOW YOU TO CHEAT (use anything other than your memory to take the assessment). Your environment check should take approximately 10-20 seconds, so don't rush through it (it's likely your video will be flagged if this is too short).
- You may NOT wear headphones, earbuds etc.
- You may NOT use an electronic device to access your textbook and/or search for definitions of terms.
- You may NOT work on this exam with any other person or student. You must take the exam and should not let anyone else take the exam on your behalf.

BEFORE BEGINNING THE ENVIRONMENT CHECK MAKE SURE:

- You have a blank piece of paper which you will show both sides - this will be your scratch paper.
- The area around you should not have any papers, books, phones, tablets, etc... within arm's reach.
- The timer on this exam is absolute. You WILL be locked out of the exam at the end of the timer.

- You should have *completed a thorough Environment Check of your surroundings*.
- Your camera should be positioned at your face and you should NOT leave the testing area once you start the exam. Failure to complete an appropriate and thorough Environment Check and/or leaving the exam may result in a zero on the entire exam or for any questions that follow your leaving the camera field.

Failure to follow guidelines set forth in the syllabus and in the Respondus Directions will result in academic penalties and/or reporting to the University for Violation of student code of conduct and academic integrity. The Respondus Webcam data will be reviewed after each assessment and if you are suspected of cheating (which you will be if you do not follow the directions given for the ID process, Environment Check, Facial Detection Check and during the Exam), *any auto generated grade posted in the iCollege gradebook will be removed until the academic integrity violation charge is resolved*.

Final Exam:

The final exam is a comprehensive multiple choice exam. It will be given in two parts on two separate dates. Each part of the exam will count as 10% of your grade. One part of the exam covers Organic Chemistry and the other part of the exam covers Biochemistry. Both parts of the exam will be taken on iCollege. You must take them on the following dates:

Part I Organic Chemistry – sometime between 6am, Friday, March 12 and 6 am, Sunday, March 14.

Part II Biochemistry - sometime between 8am, Tuesday, April 27 and 11:59 pm, Thursday, April 29.

More details as to the number of questions, amount of time for the exam etc. will be provided later in the semester.

The course syllabus provides a general plan for the course; deviations may be necessary

Course Schedule

(The more detailed weekly schedule with links to online resources, information about quizzes, exams and face to face topics will be posted on iCollege)

Date

Subject

January 11 – February 4

Module I

Introduction: Organic vs. Inorganic, Drawing Molecules, Isomers, Functional Groups

Alkanes: Nomenclature, Physical Properties

Alkenes: Cis/trans Isomerism, Nomenclature, Physical Properties, Addition Reactions

Aromatic: Nomenclature, Physical Properties, Substitution Reactions

February 5-7

Exam 1 (Module I)

February 9 – March 4

Module II

Alcohols, Phenols: Nomenclature, Classification, Physical Properties, Elimination Reactions, Oxidation/Reduction Reactions

Thiols, Ethers: Nomenclature, Physical Properties, Oxidation/Reduction Reactions
Aldehydes/Ketones: Nomenclature, Physical Properties, Oxidation/Reduction Reactions, Acetals/Hemi-Acetals, Addition Reactions
Carboxylic Acids/Esters: Nomenclature, Physical Properties, Acid/Base Reactions, Esterification, Hydrolysis, Saponification
Amines/Amides: Nomenclature, Classification, Physical Properties, Acid/Base Reactions, Amidation, Hydrolysis
Chiral Molecules: Chiral carbons, Enantiomers, Fischer Projections

March 5-7

Exam 2 (Module II)

March 9/11

Review

March 12-14

Final Exam Part I – Organic Chemistry



March 15/17

Spring Break

March 23 – April 8

Module III

Carbohydrates: Mono, di and polysaccharides,
Lipids: Fats, Oils, Waxes, Phospholipids, Steroids, Lipoproteins, Cell Membrane
Amino Acids and Proteins: Amino Acids, Protein Structure, Denaturation
Enzymes: Classification, How enzymes work, Factors affecting enzyme activity, Regulation

April 9-11

Exam 3(Module III)

April 13- April 22

Module IV

Nucleic Acids: DNA, RNA, Transcription, Translation, Protein synthesis
Metabolism: Overview, Citric Acid Cycle, Electron transport

April 23-25

Exam 4 (Module IV)

????April 26

???Review via WebEx

April 27-29

Final Exam Part II - Biochemistry

SURVEY OF CHEMISTRY II

Chemistry 1151-028

CRN 19786

Dr. Julianne Caton-Williams

Spring 2021

Welcome to my Spring 2021, CHEM 1152-028 CRN# 19786. We are going to have a great time this semester exploring the fundamentals of organic chemistry together both in person and in a virtual learning environment. My name is Dr. Caton-Williams, and I am your instructor for lecture this semester. You can call me Dr. Williams. I have been teaching this course face to face for many years. I am an organic chemist by training and always enjoy teaching students the fundamentals of organic chemistry as in Survey of Chemistry II, Organic chemistry I and II lectures and labs. This semester we will meet in a blended model, where you will come to campus for sessions once per week. This means that you will not meet with all your classmates in your class section. You are encouraged to attend all your sessions, be punctual and participate in classroom activities. It is important that you prepare reading assignments prior to attending lectures and apply reading and drawing of structures skills to solve chemistry problems and ensure to understand the material presented prior to leaving the lectures room. This would enable a more productive classroom discussion.

Semesters are very rigorous, whether learning face to face, blended or fully online. To accelerate well in this course, you will need to put in many hours **reading and understanding**, taking notes, practicing questions, and taking assessments within the iCollege platform. It is therefore important that you plan a personal weekly schedule, and that there is effective communication between you and your instructor, and you and your peers.

To assist with this task, a discussion forum is setup where you will introduce yourself to your peers and your instructor so that we can connect with one another. You can post questions about the course and receive feedback from your peers. To receive timely feedback from your instructor, please send emails at jcatonwilliams1@gsu.edu. I am looking forward to working with all of you this semester.

**** Please do note that deviations from the plan outlined in this syllabus may become necessary as the course progresses. ****

Associate Chair Contact Information

Dear Perimeter College Student:

Welcome to this Spring course. We have every expectation that your online portion of this blended course will run smoothly. Please understand that both students and instructors may experience unexpected situations. If you experience any issues with iCollege, please reach out to your instructor as the primary source of support. However, we are also providing a second contact to be sure that your issues are addressed. For this course, an additional contact person is the Associate Chair on this campus.

First Contact Name and Title: Dr. Caton-Williams, your instructor

CHEM 1152

Email: jcatonwilliams1@gsu.edu

Associate Chair Name & Title: Dr. Jo Ann Joyner,

Email: jjoyner12@gsu.edu

Phone: 678-891-2600

Course Description

This is the second in a two-semester sequence of introductory chemistry for allied health sciences majors and non-science majors. This course is designed to provide the foundation for understanding the fundamental principles of organic chemistry and its application to living systems. The course is divided into two sections: organic and biochemistry. CHEM 1152 has a laboratory component and students are strongly encouraged to take CHEM1152 with CHEM 1152 lab as a co-requisite in order to meet transfer course requirements for other colleges. Many of the topics in the lecture are also supported by lab instruction.

Pre-requisite: CHEM 1151 and CHEM 1151L or CHEM 1211 and CHEM 1211L each with a grade of C or better.

Co-requisites: CHEM 1152L lab for students enrolled in CHEM 1152.

Course Outcomes

Upon successful completion of this course, the student should be able to:

1. Recognize organic functional groups from the structural formulas.
2. Convert one functional group into another via the appropriate chemical reaction.
3. Given the structural formula, name common types of organic compounds and vice-versa.
4. Relate physical and chemical properties to molecular structure.
5. Determine whether an organic compound is optically active and describe the significance of optical activity (especially as it applies to biological molecules).
6. Classify biological molecules according to their molecular structures and recognize their roles in biological systems.

Course content:

The primary topics are basic functional groups and reactions of organic molecules. Macromolecules: carbohydrates, lipids, proteins, enzymes and nucleic acids are also introduced.

Focus would be on studying the course topics instead of doing the chapters in chronological order to meet the need of the lab component of the course as well as the course requirement. Chapters in both ebook and Timberlake text / powerpoints would be assigned within the iCollege modules.

This is the content of the Timberlake text mentioned below. The contents in the ebook chapters are similar.

Order of topics (tentative)

A. The Organic Component of the course

Chapter 12: Introduction to Organic Chemistry: Saturated Hydrocarbons; Alkanes/Cycloalkanes
Alkenes, Alkynes, and Aromatic Compounds (Unsaturated Hydrocarbons)

Chapter 13: Alcohols, Phenols, Thiols, and Ethers

Chapter 14: Aldehydes, Ketones and Chiral Molecules

Chapter 15: Carbohydrates – selected topics

Chapter 16: Carboxylic Acids and Derivatives

Chapter 18: Amines and Amides

B. Biochemistry Component of the course

Chapter 15: Carbohydrates- selected topics

Chapter 17: Lipids

Chapter 19: Amino Acids and Proteins

Chapter 20: Enzymes and Vitamins

Chapter 21: Nucleic Acids

Chapter 22: Metabolic Pathways for Carbohydrates (selected topics)

Chapter 23: Metabolism and Energy Production (selected topics)

Chapter 24: Metabolic Pathways for Lipids and Amino Acids (selected topics)

Assessments (Tentative)

Students assessments (taken in iCollege) are based on the following:

Quizzes	4-9	Take in iCollege	15 % of Grade
Out of Class Effort (OCE)	2	Submit in iCollege	05 % of Grade
Practice Questions from ebook chapters	9	Take in iCollege	01% to overall of Grade
Exam (tests)	4	Take in iCollege	55 % of Grade
Final Exam	2	Take in iCollege	25 % of Grade

NOTE: Only one exam will be dropped. OCE, quizzes and Final exam are not dropped. Practice questions are encouraged.

Grade Breakdown

This is how the Science Department awards grades for this course:

Grade A	90 - 100
Grade B	80 - 89
Grade C	70 - 79
Grade D	60 - 69
Grade F	Below 60

➤ The scores you earn will be assigned. You may have access to some of your scores in iCollege.

- NOTE: iCollege does not give you a breakdown of your final letter grade but gives your scores you earned during the semester. Calculating the average of your scores may not give you your correct letter grade since your final letter grade is based on a weighted average. It is imperative that you retain all your scored items.

➤ **Final Exam letter grades is posted in PAWS/ GoSOLAR and may not be posted in iCollege**

Grades may not be communicated by phone or email.

Quizzes and Exams (dates) ***THERE are NO MAKE-UP QUIZZES and EXAMS*******

All quizzes and exams start at 8:00 am and ends 11:59 pm, unless otherwise stated.

Quizzes and Exam/ tests schedule. Dates may change at the discretion of the instructor

All quizzes and exams will be administered in the iCollege platform through out the semester.

Due Dates	Activities plus points	Chapters to be assigned in iCollege
Jan 21-23	Quiz 1	
Feb 4 - 6	Exam 1 (+2 points)	
Feb 18- 20	OCE 1	
Feb 25 - 27	Exam 2 (3)	
March 11 - 13	ACS 'Like' exam ORGANIC	ebook Chaps: 10, 11, 12, 13, 14, 15 & 18
March 25 - 27	Quiz 3	
April 1- 3	Exam 3 (2)	
April 15 – 17 th	OCE 2	
April 22 – 24 th	Exam 4 (3)	
April 27 – 29 th Date is fixed and would not be changed	Final exam BIOCHEMISTRY	eBook Chaps: 16, 17 & 19 - 24

COURSE HELP

Note that this course is currently a 50% blended (50% face-to-face and 50 % online) course. Here are a few tips to get you started:

How Do You Contact Me?

You may contact me in the following way(s):

iCollege email,

GSU email: jcatonwilliams1@gsu.edu, (best means of contact)

Google Phone #: 678 369 3488

Office Phone #: 678 891 2469

The best time to contact me is during your assigned office hours.

How Do You Access My Course?

You can login to your course via iCollege. If you need more help, you can review the Welcome to iCollege help-guide. You can find more information about iCollege at <http://technology.gsu.edu/technology-services/it-services/training-and-learning-resources/icollege/taking-courses-in-icollege-for-students/>.

If you have problems accessing your course, please contact the II&T Technology Service Desk at help@gsu.edu.

What are the Required and Optional Materials?

A. “Supplemental e-book: A supplemental digital textbook for the same course authored by Perimeter College Faculty members will be introduced to the students. Web version of this ebook is available at <https://chemistrylearningbydoing.org>. A study is conducted to evaluate future use of the eText and students are strongly encouraged to participate in the study. Students need to complete the consent and questionnaire forms in order to participate in this study. Students personal information will not be published for evaluating this e-textbook. Students will be assigned with extra credit points for evaluation.”

More details of this online book will be discussed on the first day of class.

The following resources are required for this course:

1. Free Digital Textbook: Survey of Chemistry II ebook by Drs. Atteya, Jerry Poteat, Antara Dutta and Dr Ahmed Baosman (a supplemental text).

The textbook is: Survey of Chemistry II etext

To access this book, student must first

- Go to <https://chemistrylearningbydoing.org/>
- Click login and click on register
- Use your GSU email
- Click yes “Are you a current student in this course”
- Select your instructor- Julianne Williams
- After activation, click on CHEM 1152 in the top of the navigation tool bar to start the course.

NOTE: You would receive an “activation” email to activate your membership. Registration activation email may go to the “junk” folder due to GSU protocols.

Once you activate, you should be able to navigate through the website to access all the modules. CHEM 1152 modules are located under “CHEM 1152” tab on the HOME page. Each Module contains Chapter materials along with practice quiz for students and powerpoint presentations.

B. A non-programmable Scientific calculator (not the wide screen) and periodic table will be provided within iCollege to use while you are taking quizzes and exams. Additional notes (powerpoints and pdf) and practice questions with solutions will be posted within the iCollege platform.

3. A binder for organizing notes and handouts according to modules is recommended.

C. Molecular Model Kit Biochemistry - Chemistry Organic and Inorganic Modeling Students Set (125 Pieces) (recommended but not required).



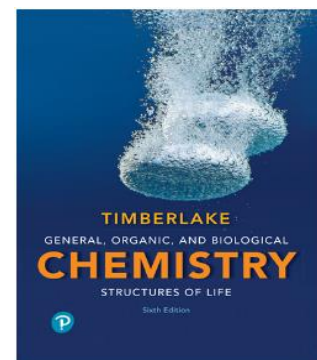
D. If you prefer a hard copy text, you may rent the TIMBERLAKE (picture below) text below from Amazon, NOT THE BOOK STORE.

TEXT: General, Organic, and Biological Chemistry: Structures of Life, 6th edition by Karen C. Timberlake

NOTE: I will use both Timberlake and the ebook this semester.

I will not be using the online mastering chemistry for homework or exams.

Also, Timberlake book is optional and may be rented from AMAZON.



Are There Any Required Meetings?

There is required meeting face to face on Monday or Wednesday for this course as it is 50% blended teaching. We can also meet during my office hours in my Webex meeting room at (<https://gsumeetings.webex.com/meet/jcatonwilliams1>) for explanation and answers to questions.

Tentative tutoring sessions:
Thursday 2:00 pm to 4:00 pm
Friday by appointment

When to come to campus?

Your class is 50/50 blended. This means that students will be coming to campus on different days. All students for a given class section will not be in the lecture class together. The class is divided into two cohorts (groups) and you are assigned to a group and a day you should come to campus. This info is generated in iCollege, so please check your day to come to campus. Your class day is either Monday or Wednesday. Please come to campus on your assigned date.

Group 1 student must be present on Tuesday, January 12th and Group 2 students must be present in class on Thursday, January 14th to be marked as present and confirm in the roll verification status, so you are not reported as "NO Show" and be dropped from the class (lab and lecture).

Group 1 students will come to campus on Tuesdays only and Group 2 students will come to campus Thursdays only.

Seating Chart

Students will be assigned a seat in the classroom. Students must sit in that assigned seat for the duration of the semester. Should someone in the class become ill, this will help us identify who, if anyone, should be contacted.

Supplemental Instructor

There is a Supplemental Instructor (SI) for additional online tutoring assigned to this class.

- Supplemental Instruction, SI Program, please see the SI website:

<https://success.students.gsu.edu/si/>

Other information related to tutoring is posted within the iCollege platform.

Are There Any Additional Fees?

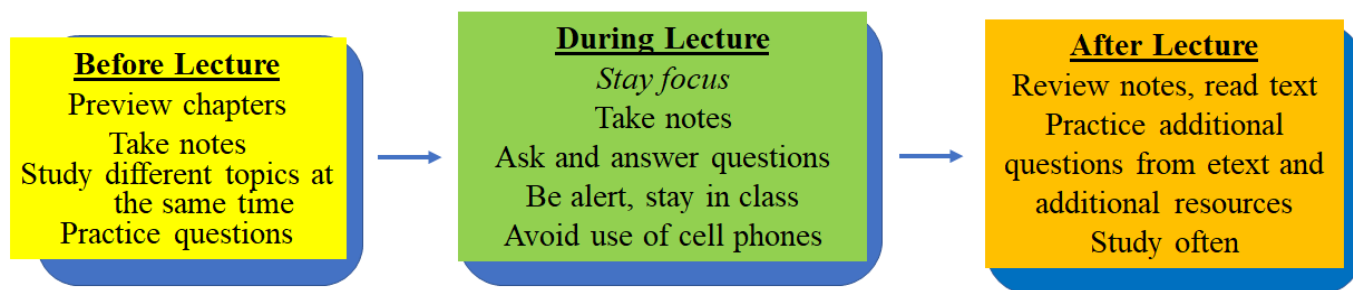
Currently, this course has no additional fees. However, this course requires the Respondus Lockdown Browser and Respondus Monitor (webcam) during testing. You may need to purchase a web camera. Please visit www.respondus.com for system requirements and hardware compatibility.

How Do I Succeed in this Course?

If this is your first time taking an online course, you should refer to these important services:

- iCollege orientation: <https://technology.gsu.edu/technology-services/it-services/training-and-learning-resources/icollege/taking-courses-in-icollege-for-students/>
- iCollege device and browser compatibility check: <https://www.usg.edu/usgweb/d2lchecker/>
- Keep Learning: Resources for Learning Away from Campus
- <https://cetl.gsu.edu/resources/resources-for-learning-remotely/internet-options/>
- Technology for students in need- Resources for Learning Remotely
<https://cetl.gsu.edu/resources/resources-for-learning-remotely/>
- The learning and Tutoring center (virtual mode only). success.students.gsu.edu/ltc
 - <https://success.students.gsu.edu/learning-tutoring-center/> (See iCollege for details)

Students' preparedness: How to Study for CHEM 1152 Chemistry?



- Upon entering this course, the student is expected to have proficiency in concepts introduced in CHEM 1151 lecture.
- Students should demonstrate the ability to successfully apply math skills previously learned to chemical systems. This course requires **pen and paper practice**. Lots of practice!
- Students should demonstrate the ability to apply chemical principles to problems in physics, biology and medicine.
- From the textbooks, students should work the **sample problems, try it first problems, key math skill**, as well as the **questions and problems** in each chapter. Additional problems will be posted within iCollege to supplement this course.
- Read the textbook and ebook and do the activities in the ebook to fill in the details. Some of the questions from the quizzes and exams will be taken directly from reading assignment and practice questions. It is in the best interest of the students to complete the reading assignments and practice questions on time.
- Students are expected **to attend all classes and complete laboratory work** and are responsible for all assignments and materials presented. In the event of unavoidable absences, it is the responsibility *of the student* to find out what materials were covered or what assignments were posted in his or her absence.
- Study a little bit at a time, preferable immediately after reading the material and understand why the correct answer is the right one and not just memorize the answers.
- Students who are falling behind with the material need to increase their effort and get help early in the semester. Come to my Webex sessions, phone in or email me and attend SI or TLC for help.
- Student should prepare a personal study guide. Students need to study each day (more than 2 hours) to succeed in this class.
- Students are requested to not use cellular phones, smart watches, cameras, pagers and any recording devices in lectures, quizzes, and exams, unless student have written permission.
- Arrive on time and ensure to **sign the class roll**. Please avoid leaving during the lecture.
- **To be successful, students should not allow technology/social media to distract them during class.**
- **Student should demonstrate confidence as independent thinkers and life-long achievers.**

SCHEDULE

Although this is a 50% online course, we do have a set schedule. **Please note that deviations may become necessary as the semester progresses.** You will want to refer to the calendar below frequently as we work together. I have also designed the *iCollege* course in such a way to help us all stay on track, including building in *iCollege* (Course content, Timed Module Release, Module Introductions, Due Dates Attached, Announcements, Grades, Calendar Widget, Intelligent Agent, and more). If this is your first time taking an online course, you will want to review the Online Time Management Essentials guide.

This course is divided into fifteen (15) Modules. You will have (1) weeks to complete each Module. For detailed information about what is required for each Module, visit *iCollege* and check out the Module Introductions. While you are working, I will also be working hard to give you quality feedback and grade your assessments in a timely manner.

How much time do you need to spend working on this course?

Well, since this is a 3-Credit Hour course, GSU recommends that you spend around 3 hours or more per week interacting with readings, videos, practice questions and more, then 3 hours per credit hour per week completing activities and assessments. Each of these topic modules, along with the welcome and wrap-up modules, has a suggested start date listed below, but feel free to work through content at your own pace.

Tentative Weekly Schedule: You will use platforms in *iCollege* and eBook website

Week	ACTIVITIES in ebook	Book chapters and Powerpoints	Timberlake Chapters and Powerpoint
Week 1 Week of January 11 th	Welcome to Module 10 Introduction to Organic Chemistry/ Organic Compounds	Ebook Chapter 10	Timberlake Chapter 12
Week 2 Week of January 18 th	Module 11 Hydrocarbons	Ebook chapter 11	Timberlake chap 12
Week 3 Week of January 25 th	Module 11cont'd Hydrocarbons Start Module 12	Ebook chapter 11	Timberlake chap 12
Week 4 Week of February 1 st	Module 12 cont'd Alcohols, Phenols, Ethers, Thiols	Ebook chapter 12	Timberlake chapter 13
Week 5 Week of February 8 th	Module 13 Aldehydes and ketones	Ebook chapter 13	Timberlake chapter 14

Week 6 Week of February 15 th	Module 14 Carboxylic Acids and Esters	Ebook chapter 14	Timberlake chapter 16
Week 7 Week of February 22 nd	Module 15 Chirality & Chiral Molecules	Ebook chapter 15	Timberlake chapter 15, selected section
Week 8 Week of March 1 st	Module 18 Amines and Amides and review for ACS like” organic exam	Ebook chapter 18 Midpoint March 2nd last day to withdraw with a “W”	Timberlake chapter 18 Midpoint
Week 9 Week of March 8 th	Module 16 Carbohydrates	Ebook chap 16	Timberlake chap. 16 Take ACS “Like” organic exam
Week of March 15th	Spring Break	March 15 -21st	March 15 -21st
Week 10 Week of March 22 nd	Module 17 Lipids	Ebook chap 17	Timberlake chap. 17
Week 11 Week of March 29 th	Module 19 Amino Acids and proteins	Ebook chap 19	Timberlake chap. 19
Week 12 Week of April 5 th	Module 20 Enzymes & Vitamins	Ebook chap 20	Timberlake chap. 20
Week 13 Week of April 12 th	Module 21 Nucleic acids and proteins Lab 12: Peptides and Proteins	Ebook chap 21	Timberlake chap. 21
Week 14 Week of April 19 th	Module 22, 23, 24- Metabolic Pathways Selected topics (See iCollege)	Timberlake and Ebook chapters 22, 23, 24 Selected topics	Need to review for both lab and Lecture Note: lab is cumulative- all chapters
Week 15 Week of April 26 th	Take Final Lecture Exam in iCollege With Lockdown Browser	Opens Tuesday April 27th at 8:00 am and Close Thursday April 29th at 11.59 pm.	Take final ACS “like” Biochemistry exam.

Please talk to your instructor and your advisor before withdrawing from this course. We care about your success and are here to discuss your options with you. The last day to withdraw without penalty (“W”) is March 2nd.

Important dates:

Semester classes begin	Monday, January 11th
Roll verification	Ends January 26th at 11:59 pm
Add-drop period ends	Friday, January 15th at 5 pm
Official holiday (no classes)	Monday, January 18th
Midterm Exam for lab	Open Saturday February 27th at 12.01am Close Sunday February 28th at 11.59pm
Midpoint for full term classes	Tuesday March 2nd Last day to withdraw (“W” deadline)
Spring Break Week	March 15th – 21st
Final Exams for lab	Open Sunday April 25 at 12.01am Close Monday April 26 at 11.59pm
Last day of lecture classes	Monday April 26th
Final Exams for lecture schedule	Open at 08:00am on April 27th Close 11:59pm on April 29th
Final grades due at 5:00pm	May 6th

COURSE POLICIES

I have developed several policies that seem to work well in this course. Please review these very closely. You will have an opportunity to voice your opinion on these policies and other aspects of the course when we reach evaluation points during the semester.

Students who have concerns about the lecture, lab or other issues in this course should discuss them with the course instructor. Students should not be directly emailing or calling the Chair, Assistant/Associate Deans, etc.

Discussion post

Students are encouraged to introduce themselves, ask questions and participate and be mindful of others point of view. I hope you will take the opportunity to read the “Sample Discussion Board Ground Rules”

<https://ctl.wiley.com/sample-discussion-board-ground-rules/>

If students’ answers are incorrect, be professional and forgive their mistakes and offer a different perspective to encourage further discussion. Your job is not to correct students but for everyone to participate in discussions. Also ensure to reread and check your post for clarity and mechanics. Be respectful to each other and follow the netiquette policy.

Attendance and Participation Policy

Students are expected to come to class on their assigned cohort to be marked as present and shall not attend the class meeting of other cohorts. Students who are not physically present in class will be assigned online work to complete for that week. Students would not be penalized for failing to attend their class session. All activities done in person should be available online. Student must participate in the online activities particularly practice questions, quizzes and exams to be awarded with scores throughout semester. In the event of absence, students need to inform the instructor via email. It is the responsibility of the student to obtain the assignments and information presented during the absence. The GSU Attendance Policy may be found using the following link: <https://codeofconduct.gsu.edu/>

Quizzes and Exams

All quizzes and exams will be administered online and must be taken with the Respondus Lockdown Browser and Respondus Monitor. It is the responsibility of the student to make sure that they follow the guidelines and requirements of this system. This includes but is not limited to making sure that the examination space meets the system requirements. If you take the Respondus Lockdown Browser Quiz and are given a low visibility ranking, it is expected that you will attempt to do something to make sure that your visibility ranking improves. Also, when the system asks you to put your identification up for viewing, you will need to make sure that it is legible. This is being written because some students who already did the identification check had wording that was not legible, or had their card held slightly sideways and nothing (not even the picture) was visible.

Make-up Exam Policy

No extra time will be given if students start their online quizzes or exams and did not give themselves enough time to complete their exam before the end time. If a student misses one quiz or one exam, there will be no penalty. However, the next missed quiz or exam will be graded as zero. The best three in-class quizzes and exams will be considered for final grading. You are strongly encouraged to take all quizzes and exams (tests), regardless of your current scores in the class.

*Special arrangements can be made to accommodate missed exams only if students contact their instructor within 24 hours (1 day) of missing an exam via email (jcatonwilliams1@gsu.edu). **There is no makeup final exam.***

***NOTE: The purpose of the dropped quiz and exam policy is for those unforeseen events preventing students taking the test such as work, emergencies etc.

Course Evaluation and Evolution

Students will have three anonymous surveys to complete. A survey will be taken at the start of the semester for background information. Another survey will be conducted at the midpoint to examine expectation level of the course, engaging activities and delivery of course. The third survey will evaluate experience of the course to include supplemental material used and future goals.

Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take time to fill out the online course evaluation.

OTHER POLICIES

Face covering

University System of Georgia institutions require faculty, staff, students and visitors to wear an appropriate face covering while on campus. Face coverings will be worn in addition to and not as a substitute for social distancing. Face coverings aren't required in one's own dorm room or suite, when alone in an enclosed office or study room or in outdoor settings where social distancing requirements are met.

Anyone not using a face covering when required will be asked to wear one or leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code for faculty, staff, or students. Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons.

When you wear a face covering, you are protecting yourself, but equally important, you're protecting other members of the university community. You are showing that you are taking responsibility for the welfare of those around you.

Contingency Plan

This course is currently 50% blended. In the event a shift is required, the course will be moved to entirely online (100% teaching) and classes will not be suspended. It will be continuous.

Academic Honesty

Cheating includes any attempt to defraud, deceive, or mislead the instructor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting the ideas or work of another as your own. Cheating includes, but is not limited to:

1. On a test or quiz: looking at or copying from another students' work, allowing another student to copy your work, exchanging written or oral communication, using notes, or opening a textbook, sharing tools like GroupMe and zoom and more where some students use to share answers.
2. On out-of-class assignments (including lab reports): copying from another student or printed source without citation, having another person to do your work, or allowing another student to use your work as his/her own.

3. Providing false documentation in order to be allowed to make up a missed test or assignment or to document an excused absence.
4. Using notes, websites, a cell phone or other electronic devices for any reason during an exam or quiz.

After any offense against the academic honesty policy, the instructor will complete a GSU Notice of Academic Dishonesty form. The complete policy can be found at <https://codeofconduct.gsu.edu/>. The Academic Honesty Policy is also outlined <http://www2.gsu.edu/~wwwfhh/fhh.html> under **GSU Policy 409**.

Roll verification policy

Students' academic success is the major priority of the College. The roll verification period (formerly known as the "no show" period) for all Science classes is the first one and a half weeks of class. During the roll verification period for face-to-face classes, students **MUST** sign an attendance sheet in class. **During the roll verification period for online classes, students MUST complete the "Roll verification Quiz" and complete the syllabus quiz in iCollege (both scoring 100%).** Failure to complete roll verification within the first one and a half weeks of class will result in the student being entered as never attended / participated. This will result in the student being removed from the course due to Science class safety reasons. **Students will not be reinstated into Science courses if they failed to meet the roll verification requirements for either the lecture or laboratory class in the first one and a half weeks of class.**

Access & Accommodations Center (AACE)

Students who wish to request accommodation for a disability may do so by registering with the **Access & Accommodations Center (AACE)** [formerly *Disability Services*]. Students may only be accommodated upon issuance by the Office of **AACE** of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought. Students with special needs should then make an appointment with me during the first week of class to discuss any accommodations that need to be made.

FERPA

In keeping with USG and university policy, this course website will make every effort to maintain the privacy and accuracy of your personal information. Specifically, unless otherwise noted, it will not actively share personal information gathered from the site with anyone except university employees whose responsibilities require access to said records. However, some information collected from the site may be subject to the Georgia Open Records Act. This means that while we do not actively share information, in some cases we may be compelled by law to release information gathered from the site. Also, the site will be managed in compliance with the Family Educational Rights and Privacy Act (FERPA), which prohibits the release of education records without student permission.

Sexual Harassment

In instances of sexual misconduct, the present instructor(s) and teaching assistants, are designated as Responsible Employees who are required to share with administrative officials all reports of sexual misconduct for university review. If you wish to disclose an incident of sexual misconduct confidentially, there are options on campus for you to do so. For more information on this policy, please refer to the Sexual Misconduct Policy which is included in the Georgia State University Student Code of Conduct.

Basic Needs Statement

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable us to provide resources that we may possess. The [Embark program at GSU](#) provides resources for students facing homelessness.

Campus Carry

The Campus Carry legislation allows anyone properly licensed in the state of Georgia to carry a handgun in a concealed manner on university property with noted exceptions. Information about the law can be found at safety.gsu.edu/campus-carry. It is the responsibility of the license holder to know the law. Failure to do so may result in a misdemeanor charge and may violate the Georgia State Student Code of Conduct.” Please follow the guidelines established by the BOR.

Withdrawal policy

Students who contract COVID-19 will be allowed to withdraw using regular university means through PAWS/GoSolar prior to the midpoint of the semester. Withdrawal petitions submitted after the midpoint because of COVID-19 will be approved on the grounds of emergency or hardship just as occurred in spring 2020 and should go through the Student Affairs online process at <https://deanofstudents.gsu.edu/student-assistance/emergency-withdrawal/>.

Students are responsible for formally dropping or withdrawing from courses using the online registration system, PAWS at paws.gsu.edu. **Students should not simply stop attending. Students should be aware of the financial and academic consequences of dropping and withdrawing from courses by consulting with an academic advisor** and referring to information concerning the tuition refund schedule found on the Student Financial Services’ web page, which is located on the www.gsu.edu website.

Georgia State University reserves the right, at any time during the semester, to drop any student from classes for failure to pay tuition and fees. However, students should not assume that Georgia State will drop them from classes for failure to pay tuition and fees. **It is the student’s responsibility to withdraw from the course.**

A student who officially withdraws by the midpoint of the course will receive a grade of “W”.

Students who withdraw after the midpoint will receive a “WF”.

<http://www2.gsu.edu/~wwwfhh/fhh.html> **GSU Policy 401.05**

Religious Observance

GSU PC is committed to respecting the religious beliefs and practices of all members of the community and making accommodations for observances of special significance to adherents. Students' sincerely held religious beliefs shall be reasonably accommodated with respect to scheduling and other academic requirements for this course. ***Students requesting academic accommodations due to religious beliefs must notify the instructor of such requests in writing or by email by the end of the second full week of classes.*** If a student fails to notify the instructor accordingly, then there is no obligation on the part of the Chemistry Department or its staff to accommodate the student in any manner.

Incomplete Grades

The notation of "I" may be given to a student who, for nonacademic reasons beyond his or her control, is unable to meet the full requirements of a course. In order to qualify for an "I", a student must:

- Have completed most of the major assignments of the course (generally all but one, 90%); and
- Be earning a **passing grade** in the course (aside from the assignments not completed) in the judgment of the instructor.

When a student has a nonacademic reason for not completing one or more of the assignments for a course, including examinations, and wishes to receive an incomplete for the course, it is the responsibility of the student to inform the instructor in person or in writing of the reason.

The grade of "I" is awarded at the discretion of the instructor and is not the prerogative of the student. Conditions to be met for removing an "I" are established by the instructor. Registering in a subsequent semester for a course in which a grade of incomplete has been received will not remove the grade of incomplete. No student may graduate with an "I" on his or her record. The grade of "I" will not be given for missing a final exam unless the student contacts the instructor and presents a verifiable reason for missing the test. <http://www2.gsu.edu/~wwwfhb/fhb.html> **GSU Policy 403.03**

Students must make arrangements in writing with the instructor and students must finish the incomplete work within weeks of the following semester or risk having the grade changed to a F.

Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State University. Upon completing the course, please take the time to fill out the online course evaluation.

Deviations from this syllabus may be required! The instructor will announce any such changes in class or iCollege.



Georgia State University, Perimeter College, Online Chemistry 1152 Survey of Chemistry II Term: Spring 2021

Modality: ONLINE ASYNCHRONOUS

Instructor: Dr. Scott Malinconico

Welcome to this fully online fall semester course. We have every expectation that your online summer course will run smoothly but understand that both students and instructors may experience unexpected situations. If you experience any issues with iCollege, please reach out to your instructor as the primary source of support. However, we are also providing a second contact to be sure that your issues are addressed. For this course, an additional contact person is:

Deniz Ballero

Email: dballero@gsu.edu

CHROMEBOOKS are not compatible with iCollege/Respondus

This section is an ONLINE class held in iCollege at <http://icollege.gsu.edu>. To begin an online class, you must 1) obtain a username and password, 2) complete the online iCollege Student Orientation (see link on page), 3) perform a System Check before you log in the first time (see link on page), 4) log into your class on the first day of classes, and 5) complete the "Roll Verification Quiz" (or "No-Show Quiz") in each of your online classes during the first week of class. Any student who fails to do so will be withdrawn from the class and the corequisite lab, and will not be reinstated. You can find more information about iCollege at <http://technology.gsu.edu/technology-services/it-services/training-and-learning-resources/icollege/taking-courses-in-icollege-for-students>. **At this time be on-line, the exam window dates are April 27th to April 29th, these dates and times are firm and no alternate testing dates can be arranged.** This course requires the Respondus Lockdown Browser and Respondus Monitor (webcam) during testing. Please visit www.respondus.com for system requirements and hardware compatibility.

Use of book, notes and other resources during any assessment is not allowed. All Quizzes and Exams require you to use Lockdown Browser (a link to download the browser will be presented to you when you attempt your first quiz, after that, just open your Lockdown Browser when taking quizzes and exams). You will also be required to use a device with a webcam. At the start of each assessment, you will be required to do a web camera check and to show your picture ID.

During online assessments you are allowed to use a scratch paper, a copy of the periodic table provided in the Periodic Table folder, and a non-programmable calculator.

The Respondus Lockdown Browser can be downloaded when you take the first quiz that requires it (part of the start here assignments). Please call the GSU help desk for help solving any problems, also let me know ASAP.

GSU Mask Policy: Effective July 15, 2020, University System of Georgia (USG) institutions will require all faculty, staff, students, and visitors to wear an appropriate face covering while inside campus facilities/buildings and in campus outdoor settings where maintaining six-foot social distancing may not be possible. Face-covering use will be in addition to and is not a substitute for social distancing.

Face coverings are not required in one's own residence hall room or suite, when alone in an enclosed office or study room, or in campus outdoor settings where social distancing requirements are met.

Anyone not using a face covering when required will be asked to wear one or must leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code for faculty, staff or students.

Required Materials:

1. Text:
"GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY" By Karen Timberlake, 6th Edition, Prentice Hall Publisher 2019

The book is NOT carried by the bookstore. The most economical way to buy a book is to purchase access to the ebook. This can be done through Pearson (the publisher) and done while you sign up/purchase access to the Mastering Chemistry part of this class.

"Supplemental e-book: A supplemental digital textbook for the same course authored by Perimeter College Faculty members will be introduced to the students. Web version of this ebook is available at <https://chemistrylearningbydoing.org>. A study is conducted to evaluate future use of the eText and students are strongly encouraged to participate in the study. Students need to complete the consent and questionnaire forms in order to participate in this study. Students personal information will not be published for evaluating this e-textbook. Students will be assigned with extra credit points for evaluation."

2. Access to a computer capable of internet access **with a web camera**. Respondus LockDown Browser can be downloaded when you take the Respondus Quiz.

An iPad can be used for this class, but you need to tell me ASAP if you plan on using an iPad, I need time to set the correct permissions for this to happen.

CHROMEBOOKS are not compatible with iCollege/Respondus

For a review of requirements please review the iCollege training:

<https://technology.gsu.edu/technology-services/it-services/training-and-learning-resources/icollege/taking-courses-in-icollge-for-students/>

<http://technology.gsu.edu/category/support/desire2learn/desire2learn-integrated-tools/students-lockdown-browser-support/>

<https://d2lhelp.view.usg.edu/s/>

3. Calculator:
A scientific calculator will be needed.
4. Mastering Chemistry Access Code
 - a. This code can be purchased either as a bundle with your book, purchased as standalone item from bookstore or for Pearson on the mastering chemistry web site.
 - b. Mastering Chemistry course ID: **See document in iCollege.**
 - c. All Mastering Chemistry Assignments are available immediately. They must be completed by the due date assigned in Mastering Chemistry. **I do not re-open missed Mastering Chemistry assignments.**

Email:

E-mail within iCollege.

The preferred method of communication is through iCollege e-mail found in your iCollege course on the course toolbar. Please use iCollege e-mail for all course correspondence. Do not use my general PC email (smalinconico@gsu.edu), your email will be lost as all of the junk that is sent to that email address.

Every student is assigned an official Georgia State University email address at the time of acceptance. It is essential that students regularly check this email account. Academic departments and student service units across campus use the University assigned email as a means of communicating with students about official university business, and students are held responsible for this information. Email from Georgia State will be sent to the student's official Georgia State e-mail address. It will not be sent to any other address (such as a Gmail or Yahoo account). However, students may configure their Georgia State account to forward to another address.

Response Time: I will respond within 24 hours (M-F), not including weekends and university holidays, to all email and discussion postings unless I inform you of any exceptions. The same response time is expected from you.

Discussions Boards:

Questions should be posted to the General Course Questions discussion topic. Posting to the discussion board allows all students in the class to see the answer. **However, posting of information/answers to quiz or exam prior to the closing date of the assessment will be considered academic dishonesty.**

Course abbreviation: CHEM 1152-020
CRN: 16134
Credit hours: 3

Tutorial and Advisement Hours:

By appointment only, email (use iCollege) me a request for an appointment. Office hours are conducted online using either WebEx or Zoom (microphone and speakers required).

The link to WebEx can be found in iCollege under Communications drop-down menu. I will send a Zoom link if we use that platform.

Feel free to contact me anytime you need help. I might or might not be on my computer. Appointments are required.

Prerequisites:

CHEM 1151/CHEM 1151L or CHEM 1151K, each with a C or higher

Co-requisites: CHEM1152L

Miscellaneous:

Students should feel free to contact me at any time if they need help. There is no such thing as a "stupid question". The best way to reach me is to use email, I check my emails very often. I am here to help as much as you require, but I cannot help you if you leave it until the last minute.

Course Description:

CHEM1152: Survey of Chemistry II. Three lecture hours a week. Second course in a two-course sequence designed for physical education, business, humanities, social sciences, and allied health (Nursing or Dental Hygiene) majors planning to pursue baccalaureate degrees. Topics include general, organic, and biochemistry

FINAL EXAM:

Your Final exam: TBD

Assessments:

There will be multiple levels of assessment for this class. Each is designed to ensure mastering of the various subjects covered during the semester.

1. Administration Quizzes

a. No-Show Quiz:

Technology based assignment to verify a student is taking the class. No other aspects of the class will be available to the student until they have completed this quiz.

b. Syllabus Quiz:

Technology based assignment to verify a student has located and read the class syllabus. No other aspects of the class will be available to the student until they have completed this quiz.

c. Mastering Chemistry Quiz:

Student certification that they have established a MC account and registered for my MC class.

d. Navigation Video Quiz:

Verification that you have watched the navigation video.

e. Respondus Quiz:

Verification that you have downloaded the browser and your web camera is functional.

2. Mastering Chemistry:

Chapter level learning; these assignments will help master new concepts and will be completed in conjunction with the lecture. These assignments are completed through the Mastering Chemistry web site. **I do not re-open missed Mastering Chemistry assignments.**

Times/Dates of the Mastering Chemistry can be found at the following link:

www.pearson.com/mastering

INFORMATION TO OPEN YOUR MASTERING CHEMISTRY ACCOUNT:

See document in iCollege with instructions as to how to activate your account.

3. Quizzes:

ALL QUIZZES REQUIRE THE USE OF RESPONDUS LOCKDOWN BROWSER WITH WEB CAMERA.

To assess mastering of new concepts. Will be completed after the chapter is completed. These assignments are completed through iCollege. **If you miss a quiz and think your excuse is a good one, contact me, I may re-open the quiz for you to complete. Multiple requests to re-open missed assignments will not be granted.**

4. Exams:

ALL EXAMS REQUIRE THE USE OF RESPONDUS LOCKDOWN BROWSER WITH WEB CAMERA.

To assess retention of concepts. Will be completed after 1,2 or 3 chapters have been reviewed. These exams are completed online. **If you miss an exam and think your excuse is a good one, contact me, I may re-open the exam for you to complete. Multiple requests to re-open missed assignments will not be granted.**

5. Final Exam (**At this the final exam will most likely be on-line**):

Course level assessment of material retention. Given at the end of the semester, after all material has been reviewed. This assignment will be completed during Final Exam period at the end of the semester. **This assessment is closed book, no make-ups are possible.**

Use of Book, Notes and other resources during any assessment is prohibited. Chapter Quizzes and Exams require the use of Respondus LockDown Browser with web camera monitoring.

Final Grade Calculation:

Tests	50%
Chapter and Assessment Quizzes	25%
Mastering Chemistry	5%

Final exam (50/50 Organic Midterm and Biochemistry Final)

20%

Admin Items

Possible bonus points (use to be determined by instructor)

Attendance Verification Quiz
Syllabus Assignment
Mastering Chemistry Quiz
Navigation Video
Respondus Quiz

PC grade scale:

90 - 100 A
80 - 89 B
70 - 79 C
60 - 69 D
Below 60 F

I do not post final grades in iCollege nor will I send them by email, text or over the phone. Please do not ask.

Order for completion of 1152 Learning Modules and Test schedule.

This is the official schedule; slight variations may appear in Mastering Chemistry but do not apply.

Learning Module	Note	Date
Course Introduction/Syllabus		
Chapter 12: Introduction to Organic Chemistry	Quiz Chapter 12	See iCollege Calendar
Chapter 13: Alcohols, Phenols, Thiols, and Esters	Quiz Chapter 13	See iCollege Calendar
Exam #1 on Chapters 12 and 13		See iCollege Calendar
Chapter 14: Aldehydes, Ketones, and Chiral Molecules	Quiz Chapter 14	See iCollege Calendar
Chapter 16: Carboxylic Acids and Esters	Quiz Chapter 16	See iCollege Calendar
Chapter 18: Amines and Amides	Quiz Chapter 18	See iCollege Calendar
Exam #2 on Chapters 14, 16 and 18		See iCollege Calendar
Organic Portion of Final Exam (chapters 12, 13, 14, 16, 18 only) on-line		See iCollege Calendar
Chapter 15: Carbohydrates	Quiz Chapter 15	See iCollege Calendar
Chapter 17: Lipids	Quiz Chapter 17	See iCollege Calendar
Chapter 19: Amino Acids and Proteins	Quiz Chapter 19	See iCollege Calendar
Exam #3 on Chapters 15, 17 and 19		See iCollege Calendar
Chapter 20: Enzymes and Vitamins	Quiz Chapter 20	See iCollege Calendar
Chapter 21: Nucleic Acids and Protein Synthesis	Quiz Chapter 21	See iCollege Calendar
Chapter 23: Metabolism and Energy Production	Quiz Chapter 23	See iCollege Calendar
Exam #4 on Chapters 20, 21, 23		See iCollege Calendar
Chapter 22.1: Metabolism and Energy	No Quiz	See iCollege Calendar
Chapter Sections: 24.4, 24.7 and 24.9	No Quiz	See iCollege Calendar
Exam #5 on 22.1, 24.4, 24.7 and 24.9		See iCollege Calendar
Biochem Portion of Final Exam (chapter 15, 17, 19, 20, 21 23, 22, 24) on-line (availability)		April 27 to April 29

Important Semester Dates:

January 11 - classes start
January 18 – MLK Day
March 2 - Midpoint of Term, Last day to receive a “W”
March 15 to 19 – Spring Break
April 26 - last day of classes
April 27 to May 4 – Finals Exam Week
Final Exam – **April 27 to April 29**

Resources:

1. iCollege:
iCollege is used to supplement this course. It is used to disseminate course materials (lecture notes, reviews). Here you can also find your grades.

Assessments: All quizzes and exams are posted on the iCollege site under Assessments/Quizzes and are released per the schedule found in the class calendar. Answers will be completed and submitted on iCollege. You have a fixed time to complete each assessment, these limitations are found under each assessment, make sure you are aware of the opening and due dates and any time limitation for each assessment. **Logging out will not stop the time from counting down.** If you exceed the time limitation your quiz will auto-submit.

It is the students' **responsibility** to ensure that they do not try to take online quizzes during iCollege's scheduled maintenance times. The students **MUST** check the maintenance schedule each week and before taking each quiz. When Maintenance starts you will be automatically logged off the system and your quiz will not be submitted. USG Maintenance and other down times are listed on your iCollege home page under the Calendar section.

2. Learning Module: PowerPoint's may be downloaded and printed from the class webpage on iCollege.
3. Links to on-line videos and web sites provided through iCollege.
4. Mastering Chemistry:
Times/Dates of the Mastering Chemistry can be found at the following link:

www.pearson.com/mastering

INFORMATION TO OPEN YOUR MASTERING CHEMISTRY ACCOUNT:

See document in iCollege with instructions as to how to activate your account.

Class Policies: Please GSU's Student handbook (<http://studenthandbook.gsu.edu/>) and the student code of conduct (<http://codeofconduct.gsu.edu/>) for policies on:

1. **Tobacco and Smoke-Free Campus Policy**
2. **Disruptive behavior**
3. **Student Code of Conduct**
4. **Course Withdrawal**
5. **Cheating**
6. **Academic Honesty Policy**
7. **Civil Rights Act of 1964**
8. **Sexual Misconduct Policy**
9. **Veterans and Serving Military**
10. **Attendance:**

Students who never attend a class by the end of the first week of the term will be reported for non-attendance to the registrar, this may affect financial aid.

Students' academic success is the major priority of the college. Because regular participation enhances the learning process attendance is strongly recommended.

Students are accountable for assignments and material covered during an absence.

11. The Americans with Disabilities Act:

Students who wish to request accommodation for a disability may do so by registering with the Office of Disability Services. Students may only be accommodated upon issuance by the Office of Disability Services of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought. If you are disabled as defined under the Americans with Disabilities Act and require assistance or support services, please seek assistance through the Center for Disability Services. A CDS counselor will coordinate those services. <https://access.gsu.edu/>

12. Course Evaluations:

Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take the time to fill out the online course evaluation. <http://registrar.gsu.edu/registration/student-evaluation-of-faculty/>

ENTRY LEVEL COMPETENCIES

Upon successful completion of this course, the student should be able to:

1. Use the appropriate metric units and prefixes for mass, length, and volume and make conversions from one unit to another.
2. Use the periodic table as a tool to extract relevant information concerning atomic structure and to predict chemical behavior (including isotopes and the role of nuclear chemistry in medicine).
3. For any given atom or molecule/ionic unit:
 - a. Predict the bond type.
 - b. Draw Lewis Dot structures.
 - c. Determine the number of bonds formed by hydrogen and the row two elements.
 - d. Determine the polarity and geometry of the molecule.
 - e. Determine the relationship between polarity and physical properties of a compound.
 - f. Write the formula from the name of a compound and vice versa.
4. Balance chemical equations, solve simple stoichiometric problems, and identify the energy changes that accompany the reaction.
5. Describe solutions in qualitative and quantitative terms and solve concentration and dilution problems used in clinical chemistry
6. State factors affecting the rate of a chemical reaction and use the concepts of chemical equilibrium to predict the direction and degree of completion of chemical reactions.
7. For acids and bases:
 - a. Compare and contrast properties.
 - b. State the role of buffers and their mechanisms for maintaining homeostasis in body fluids.
 - c. Relate acid or base strength to the strength of its conjugate base or acid.
 - d. Relate pKa to the strength of an acid.

GENERAL EDUCATIONAL OUTCOMES

- 1) This course addresses the general education outcome relating to communications as follows:
 - a) Students develop their reading comprehension skills by reading the text and handout materials.
 - b) Students develop their listening skills through lecture and small group problem solving. Lecture material is presented that is not included in the text or handout material and is included as part of the exams or test.
 - c) Students develop their reading and writing skills through the use of problems and activities developed specifically to enhance their understanding of certain chemistry principles. Students provide written or oral solutions to these problems in both individual and group format. They must also deal with short-answer type questions on course exams.
- 2) This course addresses the general education outcome relating to demonstrating effective individual and group problem solving and critical thinking skills in a variety of situations as follows:
 - a) Students learn individual and group problem solving and critical thinking skills by doing problems both in classroom settings and at home.
 - b) Critical thinking skills are encouraged in many ways, one of which is by requesting student response to questions asked during the lecture.
- 3) This course addresses the general education outcome relating to recognizing and applying scientific inquiry in a variety of settings as follows:
 - a) Students apply the scientific method in the set-up and solution of the problems designed to illustrate the chemical principle being taught.
 - b) Students use models that explain the basic scientific phenomenon and relate it to everyday situations.
 - c) Students use conceptual and physical models to explore theory and relate it to preexisting concepts.

EXPECTED EDUCATIONAL RESULTS

Upon successful completion of this course, the student should be able to:

1. Recognize organic functional groups from the structural formula.
2. Convert one functional group into another via the appropriate chemical reaction.
3. Given the structural formula, name common types of organic compounds or vice-versa.
4. Relate physical and chemical properties to molecular structure.
5. Determine whether an organic compound is optically active and describe the significance of optical activity (especially as it applies to biological molecules).
6. Classify biological molecules according to their molecular structures and recognize their roles in biological systems.

DISCLAIMER

The course syllabus provides a general plan for the course; deviations may be necessary. ***Please note that due to the dynamic nature of the course, it is understood that the professor has the authority and the responsibility to change, add, or omit any material contained therein, including the grading policy. Students will receive verbal and/or written notification of any change to the current policy.***

CHEM 1152-026 SURVEY OF CHEMISTRY II SPRING 2021 **BLENDED**

PERIMETER COLLEGE at GEORGIA STATE UNIVERSITY (GSU-PC)

CRN: 17865, 3 CREDIT HOURS

*Statement on Blended Learning Format: For the Spring 2021 semester, this course will be delivered using the blended model. Classroom density will be reduced to 25 percent capacity to enable six feet of social distancing. Please visit <https://ahead.gsu.edu/students/> for more information. Courses taught with the blended learning model will offer some class sessions face to face and other sessions online. By requiring students to attend face-to-face classes less often, the format reduces population density in classes and on our campuses. Blended learning allows students to have access to online instructional materials while also experiencing the benefit of in-person interactions with their peers and instructors. Classes will be divided alphabetically by students' last names to determine the days when each group meets online or face to face. Details about the days of the week you'll be required to attend class sessions in person will be available at Georgia State <https://cetl.gsu.edu/resources/resources-for-learning-remotely/>. **Please plan accordingly.***

Melody Kelley, Ph.D.

EMAIL: mkelley21@gsu.edu,

PHONE: 770-274-5546

(voicemail only) OFFICE: NE-2611 ****Dr. Kelley will not be in her office this semester****

PHYSICAL SCIENCE

DEPARTMENT: NE-2614, 770-274-5105

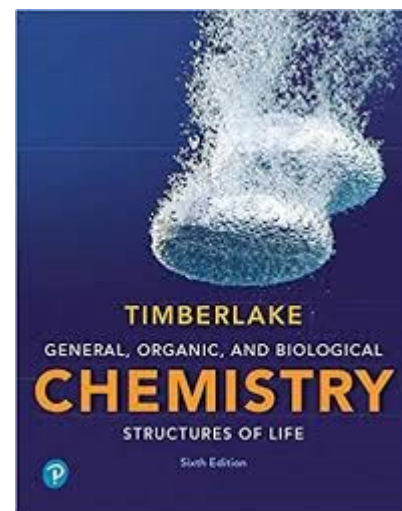
The Course Syllabus provides a general plan for the course; deviations may be necessary.

TEXT: "General, Organic and Biological Chemistry: Structures of Life" by Karen C. Timberlake (6e).

ISBN: 9780134730684

ACCESS CODE: You will need student access code card for MasteringChemistry.

ONLINE COURSE EQUIPMENT: Personal Computer with internet and webcam.



LECTURE DAY/TIME- Tuesday & Thursday 11:30AM-12:45PM ROOM: NE0140

**** Please class schedule for specific class dates. Your cohort information is posted in iCollege>Announcements****

**ADVISEMENT & TUTORING HOURS – M/W 10:00 AM- 2:00 PM
Or by Appointment**

****Tutoring hours are conducted in WebEx. 24-hour notice required. Appointments can be set-up using the WebEx module in iCollege****

QUIET TESTING ENVIRONMENT:

Please take exams and quizzes in a quiet, uncluttered testing environment.

iCOLLEGE: The course is built on icollege, the courseware platform that GSU-PC uses for distance learning courses.

When you click on your section on icollege you should be able to see syllabus, folders with course content materials, and other supporting materials. Checking the icollege website daily is highly recommended. If you have any problem regarding icollege, please contact service desk (help@gsu.edu) and go through icollege tutorials.

FACE COVERING: Students are required to wear an appropriate face covering while inside campus facilities (classrooms, hallways, elevators, labs and in all other public spaces) because six feet of social distancing may not always be possible.

PREREQUISITE(S): Completion of CHEM 1151 with a "C" or better.

CO REQUISITE(S): CHEM 1152L (LAB) is a co requisite for CHEM 1152.

EMAIL (preferred method of contact): Use GSU email for confidential communication only. For chemistry related questions, please use the icollege or GSU email. When emailing Dr. Kelley, under the subject heading, state in which course you are enrolled. Please do not email through Gmail, Hotmail, Yahoo, etc. Replies are generally sent within 1 business day.

GRADE ANALYSIS

Hour exams (Best 3 of 4): 300 pts

Homework (MasteringChemistry): 50 pts

Quizzes: 50 pts

Organic Final Exam: 65 pts

Biochemistry Final Exam: 65 pts

A 477 – 530		B 424 - 476
C 371 – 423	D 318- 370	F <318 pts

DESCRIPTION: This is the second course in a two-semester sequence covering elementary principles of general, organic, and biochemistry designed for allied health majors. Nursing and dental hygiene students planning to pursue a baccalaureate degree may need to enroll in CHEM 1152. The primary topics are basic functional groups and reactions of organic molecules. Additionally, carbohydrates, lipids, proteins, nucleic acids, and metabolism are introduced.

IMPORTANT WEBSITES AND STUDENT RESOURCES:

Access and Accommodation

Center: <https://access.gsu.edu/>

Assistance with Online Learning at GSU: <https://cetl.gsu.edu/resources/resources-for-learning-remotely/>

Help with WebEx in iCollege:

https://gsutech.servicenow.com/sp?id=kb_article&sys_id=424c82bedb3973402c5b9696db961929

Mastering Chemistry:

<https://www.pearsonmylabandmastering.com/northamerica/>

iCollege:

<https://gastate.view.usg.edu/>

Learning and Tutoring Center:

success.students.gsu.edu/ltr

GSU Library: <http://library.gsu.edu/>

GSU Testing Center:

<http://counselingcenter.gsu.edu/pc/>

Advisement:

<http://advisement.gsu.edu/>

IT Help Desk: help@gsu.edu

Help with LockDown Browser and Respondus Monitor:

https://gsutech.servicenow.com/sp?id=kb_article&sys_id=f9c2da0fdb889b00601b502bdc961930

Equipment Checkout:

<https://cetl.gsu.edu/resources/resources-for-learning-remotely/internet-options/>

IMPORTANT DATES:

(<http://registrar.gsu.edu/registration/semester-calendars-exam-schedules/>):

First Day: Jan 11

Last Day: Apr 26

Final Exam: An online final exam will be available in iCollege from April 27, 2021 at 8:00AM to April 29, 2021 at 11:59 PM.

Midpoint Semester: Mar 2 (last day to withdraw (W))

No Classes: Jan 18 (MLK Day)
Mar 15-21 (Spring Break)

COURSE CONTENT AND EXPECTED

EDUCATIONAL RESULTS: (1)

Recognize organic functional groups from the structural formula.

(2) Convert one functional group into another via the appropriate chemical reaction.

(3) Name common types of organic compounds or vice versa, given the structural formula.

(4) Relate physical and chemical properties to molecular structure.

(5) Given the structures of two molecules, determine their relationship: (A) same molecule, (B) constitutional (structural) isomers, (C) stereoisomers (geometrical isomers), specifically, enantiomers or diastereomers, (D) no relation.

(6) Classify biological molecules according to their molecular structures and recognize their roles in biological systems.

REQUIRED PROCTORING SOFTWARE (AND WEBCAM):

All iCollege exams will require the Respondus Monitor (with webcam) and LockDown Browser proctoring software (<https://cetl.gsu.edu/services/digital-environments-teaching-tools/respondus-lockdown-browser-monitor/> and https://mediaspace.gsu.edu/media/Respondus+Overview/1_i54pcnec).

The software requires an electronic device equipped with webcam.

The software is not compatible with any phones or tablets (except for iPads). For list of installation requirements, see: <https://support.respondus.com/support/index.php?/Knowledgebase/Article/View/89/25/what-are-the-computer-requirements-for-installations-of-respondus-lockdown-browser>

LECTURE EXAMS: There will be four exams during the semester. Multiple choice and short answer type questions will be given based on the theory.

All exams are posted on the iCollege site and are made available and due per the schedule found in the class calendar. Answers will be completed and submitted on iCollege. You will have a fixed time to complete each assessment, these limitations are found under each assessment, make sure you are aware of the opening and due dates and any time limitation that an assessment has. Logging out will not stop the time from counting down. It is the students' responsibility to ensure that they do not try to take online quizzes during scheduled maintenance times for iCollege website. The students MUST check the maintenance schedule each week and before taking each quiz. All times will be reported as EDT/EST in the schedule, please plan accordingly. Exams are individual assignments. Use of book, notes and other resources during unit exams is NOT allowed. During unit exams you can use a scratch paper, periodic table, and a non-programmable calculator. Students are not allowed to use additional computers, cell phones, computerized dictionaries, programmable calculators or molecular models during the exam. Use of an electronic device (with the exception of required devices for online exams) during an exam will constitute a violation of the Academic Honesty Policy (<http://www2.gsu.edu/~wwwfwb/sec409.html>).

TECHNICAL DIFFICULTIES DURING ASSESSMENTS:

Any technical issues with iCollege, Respondus, or LockDown Browser must be brought to my attention with 24 hours of taking the quiz or exam. Please indicate whether the IT Desk has been contacted.

HOMEWORK: The online homework system Mastering Chemistry (<https://www.pearsonmylabandmastering.com/northamerica/>) will be used for chapter assignments. See course schedule for due dates. No extra time will be given to complete the homework after the due date has passed. All assignments will start at 12:00am and end at 11:59 pm. Students are encouraged to engage in homework problems daily.

VETERANS AND SERVING MILITARY: GSU-PC honors its military and veteran men and women returning to pursue their educational goals. A Military Outreach Center (MOC) is provided for them on the ground floor of Building H on the Clarkston Campus. Veterans, serving military, their dependents, and the survivors of serving military who are attending college are encouraged to avail themselves of a full range of college services and activities through the MOC. MOC resource tables are also located on all campuses to provide them with valuable information. The Center maintains a Military Outreach website at <http://veterans.gsu.edu/> and their telephone number is 678-891-3025

AFFIRMATIVE ACTION POLICY: GSU-PC adheres to affirmative action policies designed to promote diversity and equal opportunity for all faculty and students.

STATEMENT OF NON-DISCRIMINATION: GSU-PC supports the Civil Rights Act of 1964, Executive Order #11246, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act. No

person shall, on the basis of age, race, religion, color, gender, sexual orientation, national origin or disability, be excluded from participation in, or be denied the benefits of, or be subjected to discrimination under any program or activity of the college. Any individual with a grievance related to the enforcement of any of the above provisions should contact the Assistant Director of Human Resources.

ATTENDANCE POLICY

Absences and Missing submissions caused by a student being dropped from the course for non-payment will be handled at the discretion of the instructor.

Excused absences are recognized in the following cases (with written documentation): University-Sponsored Events, Legal Obligations, Religious Observances, Class Attendance by Veterans

In addition, it is suggested that the faculty give due consideration to absences relating to the following events:

- A. Death or major illness in student's immediate family
- B. Illness of a dependent family member
- C. Illness that is too severe or contagious for students to attend class

Definition Immediate Family – An immediate family member means spouse, parent, or child in accordance with the definition used for GSU employees.

One such exception is allowed per term at the discretion on the instructor. In such case, the student is allowed to submit assignment or take exam late.

Any student who does not submit the online syllabus/roll verification quiz during the first two weeks of the academic term (prior to January 25) will be reported as not having attended, which will result in them being removed from the class roll and also from any co-requisite lecture and lab course. Once students who have not attended during the first two weeks have been reported for removal, I will not be doing any instructor-initiated withdrawals during the remainder of the term. It is each student's responsibility to attend class regularly and complete all assignments on time. If you do not do so your grade will be penalized as stated elsewhere in this syllabus. It is also each student's responsibility to complete and submit a withdrawal form before the term midpoint (see GSU academic calendar) if they do not want to receive a final grade in this course. Students who do not withdraw themselves by the term midpoint will receive a final grade in the course calculated with penalties or grades of zeroes for all late or un-submitted work. GSU-PC students are limited to a maximum of 3 course withdrawals (lecture and lab count as one withdrawal since they are co-requisites). Any withdrawals above 3 are recorded as WF on the student transcript. <http://www2.gsu.edu/~wwwfhh/s/ec401.html#401.03>, <https://catalog.gsu.edu/associate20162017/university-academic-regulations/#dropping-classes-and-voluntary-withdrawal>

STUDENT EVALUATIONS: Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take time to fill out the online course evaluation.

UNAUTHORIZED PUBLIC POSTING AND DISTRIBUTION OF COURSE MATERIALS:

All content created in this course, including videos, handouts, etc., may be used only by students enrolled in the course for purposes relating to the course. No materials may be shared with students outside of the class or posted in any external forum. Failure to abide by these limitations constitutes a violation of the Policy on Academic Honesty and will be treated accordingly.

INCLEMENT WEATHER: In the event that inclement weather strikes the Atlanta metro area, students are expected to tune into WSB radio (750 am) or WSB television (Channel 2) to determine if GSU-PC has closed or not. If the school is open, class will meet as regularly scheduled. If the school is closed, students will not be allowed on campus. If an exam is scheduled on a day that the college is closed, students should come to the next class meeting prepared to take the exam that was scheduled for the cancelled day.

INCOMPLETE: An incomplete (I grade) is available only in the event that the course has been essentially completed. If the student misses the final exam due to illness, injury or other special circumstances, he or she can request an "I" grade. Documentation will be required confirming the illness or other difficulty. The "I" grade must be made up within one semester. If not, then I grade automatically converts to F. An "I" grade will only be given when the student is passing the course at the time of request.

RELIGIOUS ACCOMMODATION: GSU-PC is committed to respecting the religious beliefs and practices of all members of the community, and making accommodations for observances of special significance to adherents. Students' sincerely

held religious beliefs shall be reasonably accommodated with respect to scheduling and other academic requirements for this course. Students requesting academic accommodations due to religious beliefs must notify the instructor of such requests in writing or by email by the end of the second full week of classes. If a student fails to notify the instructor accordingly, then there is no obligation on the part of the Physical Science Department or its staff to accommodate the student in any manner.

WITHDRAWAL: Students are responsible for formally dropping or withdrawing from courses using the online registration system, PAWS at paws.gsu.edu. Students should not simply stop attending. Students should be aware of the financial and academic consequences of dropping and withdrawing from courses. Three withdrawals are allowed during the Perimeter career. After which, withdrawals will be recorded as WF. It is recommended that withdrawal from CHEM 1152 lecture be accompanied by a withdrawal from CHEM 1152L laboratory, and likewise a withdrawal from lab should result in withdrawal from lecture.

ACADEMIC HONESTY POLICY-CHEATING & PLAGIARISM:

Cheating includes any attempt to defraud, deceive or mislead the instructor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting as one's own the ideas or work of another. All portions of any test, project (lab report, homework assignment, etc.), or final exam submitted by you for a grade must be your own work unless you are instructed to work collaboratively. Specific requirements will be described for collaborative projects, but all work presented must be the work of

members of that group. Research materials used must be properly cited.

Violation of the Academic Honesty Policy will result in a grade of zero for that test, project or exam. Exams graded as zero due to a violation of the Academic Honesty Policy will not be dropped. The second offense will result in assignment of a grade of "F" for the course, and a formal charge of Academic Dishonesty will be lodged with the Campus Dean for Student Services. Policies have been established by GSU-PC to insure due process in charges of cheating or plagiarism. A copy of these procedures can be found in the Student Handbook (<http://www2.gsu.edu/~wwwfhh/ec409.html>).

LEARNING AND TUTORING CENTER:

The LTC offers FREE, online tutoring and academic support. The LTC provides a variety of other resources and services to accommodate student needs. All LTCs are equipped with computers, instructional software and internet access. Please visit the LTC's website (success.students.gsu.edu/ltc) to find information about locations, hours of operation, tutoring and workshop schedules, handouts, online tutoring and links to online practice resources.

AMERICANS WITH DISABILITY ACT:

Students who wish to request accommodation for a disability may do so by registering with the Access and Accommodation Center. Students may only be accommodated upon issuance by the Access and Accommodation Center of a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought.

USEFUL STUDY HINTS FOR AN ONLINE COURSE:

- Take notes (with pen and paper) when reviewing material, watching videos, and doing homework problems
- Read the textbook to fill in the details

Organize a study group. (Look for groups on the icollege discussion board)

- Check the discussion board for other student questions and answers.
- Talk to the instructor whenever you can. (During office hours).
- Enlist in the free tutoring services of the Learning Center.
- Follow the schedule and be aware of changes.

ASSOCIATE CHAIR INFORMATION:

If you experience any issues with iCollege, please reach out to your instructor as the primary source of support. However, we are also providing a second contact to be sure that your issues are addressed. For this course, the additional contact person is Dr. Jay Dunn (jdunn1@gsu.edu).

TOBACCO POLICY: Georgia State University ("Georgia State") is committed to providing a clean, healthy, and comfortable environment for all students, faculty, staff and visitors. The use of tobacco products is prohibited on all property owned, leased or used by Georgia State, including but not limited to all internal and external areas; parking garages and parking lots; and in Georgia State owned and/or leased vehicles.

Such use is also prohibited within 25 feet of all Georgia State building entrances and exits.

USG CAMPUS CARRY POLICY:
www.usg.edu/hb280

FERPA STATEMENT: In keeping with USG and university policy, this course website will make every effort to maintain the privacy and accuracy of your personal information. Specifically, unless otherwise noted, it will not actively share personal information gathered from the site with anyone except university employees whose responsibilities require access to said records. However, some information collected from the site may be subject to the Georgia Open Records Act. This means that while we do not actively share information, in some cases we may be compelled by law to release information gathered from the site. Also, the site will be managed in compliance with the Family Educational Rights and Privacy Act (FERPA), which prohibits the release of education records without student permission. For more details on FERPA, go to <https://registrar.gsu.edu/academic-records/records-management/ferpa/>

NETIQUETTE GUIDELINES FOR ONLINE DISCUSSIONS:

Netiquette is a set of rules for behaving properly online. Your instructor and fellow students wish to foster a safe online learning environment. All opinions and experiences, no matter how different or controversial they may be perceived, must be respected in the tolerant spirit of academic discourse.

You are encouraged to comment, question, or critique an idea but you are not to attack an individual. Working as a community of learners, we can build a polite and respectful course community.

The following netiquette tips will enhance the learning experience for everyone in the course:

- Do not dominate any discussion.
- Give other students the opportunity to join in the discussion.
- Do not use offensive language. Present ideas appropriately.
- Be cautious in using Internet language. For example, do not capitalize all letters since this suggests shouting. Popular emoticons such as ☺ or / can be helpful to convey your tone but do not overdo or overuse them.
- Avoid using vernacular and/or slang language. This could possibly lead to misinterpretation.
- Never make fun of someone's ability to read or write.
- Share tips with other students.
- Keep an "open-mind" and be willing to express even your minority opinion. Minority opinions have to be respected.
- Think and edit before you push the "Send" button.
- Do not hesitate to ask for feedback.
- Using humor is acceptable

Adapted from:

Mintu-Wimsatt, A., Kernek, C., & Lozada, H. R. (2010). Netiquette: Make it part of your syllabus. *Journal of Online Learning and Teaching*, 6(1). Retrieved from http://jolt.merlot.org/vol6no1/mintu-wimsatt_0310.htm

Shea, V. (1994). Netiquette. Albion.com. Retrieved from: <http://www.albion.com/netiquette/book/>.

MENTAL HEALTH: There is a lot happening in the world and in your personal lives. I understand that current events and issues at work and/or at home can impact your ability to focus and complete the required work for this course. If you are experiencing issues that are significantly impacting your ability to perform in this course, please let me know so we can discuss the best way forward. It is ok to seek help if you are struggling mentally. If you need an appointment with a counselor, please see:

<https://counselingcenter.gsu.edu/>

STUDENT ILLNESS: If a student develops a fever, cough or shortness of breath they should stay at home, not go to class or work, and stay away from other people. If a student becomes sick or is required to quarantine during the semester, they should notify their instructor as soon as possible. The student will work with the instructor to develop a plan to complete the necessary course content, activities, and assessments in order to meet the course student learning outcomes.

FACE COVERING POLICY: Georgia State University and the University System of Georgia have mandated a face covering policy. Students are required to wear an appropriate face covering while inside campus facilities (classrooms, hallways, elevators, labs and in all other public spaces) because six feet of social distancing may not always be possible. Face coverings will be worn in addition to and not as a substitute for social distancing. Face coverings should cover both mouth and nose.

Course Schedule (and suggested chapter pacing)¹

Week #	Week of	Lecture Assignment(s)	Submission Due Dates
1	11-Jan	12-Part 1 Cohort A-Tuesday Cohort B-Thursday	iCollege Syllabus (Roll Verification) Quiz - Available from 01/11/21 12AM until 01/24/21 11:59 PM **This quiz is required. Failure to complete this quiz will in your removal from this course.** Quiz#1 available from 01/14/21 at 12AM until 01/17/21 11:59 PM
2	18-Jan	12- Part 2 Cohort A-Tuesday Cohort B-Thursday	Quiz#2 available from 01/21/21 at 12AM until 01/24/21 11:59 PM
3	25-Jan	13/Exam 1 Cohort A-Tuesday Cohort B-Thursday	<u>Ch 12 Part 1 HW</u> Due 01/31/21 at 11:59 PM at 11:59PM <u>Ch 12 Part 2 HW</u> Due 01/31/21 at 11:59 PM Exam 1 available from 01/28/21 at 12AM until 01/31/21 11:59 PM
4	01-Feb	13/14 Cohort A-Tuesday Cohort B-Thursday	Quiz#3 available from 02/04/21 at 12AM until 02/07/21 11:59 PM
5	08-Feb	14 (and 15.2) Cohort A-Tuesday Cohort B-Thursday	Quiz#4 available from 02/11/21 at 12AM until 02/14/21 11:59 PM
6	15-Feb	16 Cohort A-Tuesday Cohort B-Thursday	Quiz#5 available from 02/18/21 at 12AM until 02/21/21 11:59 PM
7	22-Feb	18/Exam 2 Cohort A-Tuesday Cohort B-Thursday	Exam 2 available from 02/25/21 at 12AM until 02/28/21 11:59 PM <u>Ch 13 HW</u> Due 02/28/21 at 11:59 PM <u>Ch 14 HW</u> Due 02/28/21 at 11:59 PM <u>Ch 16 HW</u> Due 02/28/21 at 11:59 PM
8	01-Mar	15/ <u>ORGANIC</u> Midterm Exam Cohort A-Tuesday Cohort B-Thursday	ORGANIC CHEMISTRY Midterm available from 03/04/21 at 12AM until 03/07/21 11:59 PM <u>Ch 18 HW</u> (Extra Credit) Due 03/07/21 at 11:59 PM
9	08-Mar	15 Cohort A-Tuesday Cohort B-Thursday	Quiz#6 available from 03/11/21 at 12AM until 03/14/21 11:59 PM
10	15-Mar	No Class	Spring Break!
11	22-Mar	17 Cohort A-Tuesday Cohort B-Thursday	Quiz#7 available from 03/25/21 at 12AM until 03/28/21 11:59 PM

¹ All dates are tentative and subject to change. The Final Exam is Mandatory and must be taken ONLY at the respective time.

12	29-Mar	19/Exam 3 Cohort A-Tuesday Cohort B-Thursday	Exam 3 available from 04/01/21 at 12AM until 04/04/21 11:59 PM <u>Ch 15 HW Due 04/04/21 at 11:59 PM</u> <u>Ch 17 HW Due 04/04/21 at 11:59 PM</u>
13	05-Apr	19/20 Cohort A-Tuesday Cohort B-Thursday	Quiz#8 available from 04/08/21 at 12AM until 04/11/21 11:59 PM
14	12-Apr	20/21 Cohort A-Tuesday Cohort B-Thursday	Quiz#9 available from 04/15/21 at 12AM until 04/12/21 11:59 PM
15	19-Apr	21 Cohort A-Tuesday Cohort B-Thursday	<u>Ch 19 HW Due 04/25/21 at 11:59 PM</u> <u>Ch 20 HW Due 04/25/21 at 11:59 PM</u> <u>Ch 21 HW Due 04/25/21 at 11:59 PM</u> Exam 4 available from 04/22/21 at 12AM until 04/25/21 11:59 PM
16	26-Apr	22 and 23/ <u>BIOCHEMISTRY</u> Final Exam	<u>Ch 22-23 (Extra Credit) HW Due 04/29/21 at 11:59 PM</u> Available on iCollege from April 27, 2021 at 8:00AM to April 29, 2021 at 11:59 PM.