

**General Chemistry II**
**3 credits**
**Prerequisite: CHE 101**

Class Information		Instructor Information		First day of classes:	Wed., Jan. 6, 2016
<b>Days</b>	WF	<b>Lecture Instructor</b>	Liza Abraham PhD	<b>Last day to add/drop, or change to audit:</b>	Sun, Jan.17 <sup>th</sup> , 2016
		<b>Lab Instructor</b>	Robert Maillet		
<b>Time:</b>	11:30-12:45	<b>Email</b>	<a href="mailto:labraham@ambrose.ed">labraham@ambrose.ed</a> <a href="mailto:rmaillet@ambrose.edu">u</a> rmaillet@ambrose.edu	<b>Last day to request revised exam:</b>	Mon.,Feb.29, 2016
<b>Room:</b>	A 2131	<b>Phone:</b>	403-410-2000 ext.6921	<b>Last day to withdraw from course:</b>	Friday, March 18, 2016
<b>Lab/Tutorial:</b>	M 11:00-2:00 & 2:00-5:00	<b>Office:</b>	A2160	<b>Last day to apply for time extension for coursework:</b>	Tue., Mar. 29, 2016
<b>FINAL EXAM:</b> Tuesday April 19, 9:00 am Room: A2210		<b>Office Hrs.:</b>	W/F: 9:00-10:00; 1:00-2:00 M: 9:00-2:00 T/R:9:00-11:00	<b>Last day of classes:</b>	Wed, April 13, 2016
<b>Textbook:</b> <a href="https://www.openstaxcollege.org/textbooks/chemistry">https://www.openstaxcollege.org/textbooks/chemistry</a> (available in electronic form), and the Student Solutions Manual (available online).					
Topics include chemical kinetics, chemical equilibrium, acids and bases, and electrochemistry					

**Requirements:**

**LABORATORY SAFETY COURSE:** If you did not take the lab safety course this past semester, you will need to do so prior to the first lab; it is available online on the Moodle site. Please read the Powerpoint presentation, watch the video, and complete the quiz. You need to obtain a minimum mark of 80%.

**LAB COMPONENT (25%):** The lab component consists of five labs; three of them involve filling in worksheets and the other two require the submission of a formal lab report. Each lab will be graded out of 20 marks. Each worksheet/lab report is worth 15 marks. Pre-lab quizzes account for 5 marks.

Please print off the pre-lab quizzes; complete and hand it in prior to the start of each lab to the lab instructor. Students that do not have appropriate laboratory attire or incomplete pre-laboratory assignments will not be allowed to proceed with the lab due to safety reasons.

**TUTORIALS (10%):**

The labs and tutorials alternate every week. Please refer to the syllabus for the dates. During each tutorial, students will work in groups of 3-4 on a set of problems before writing an individual quiz. There will be approximately 6-7 tutorial

quizzes.

**ASSIGNMENTS (10%):**

There will be four assignments for the four topics covered in class. The assignments will be posted on moodle at the beginning of a new topic. It will be due on the Monday after finishing that topic. Please work on it as we progress through each topic

**TERM TEST (15%):**

There will be one term test. It will include all the topics covered before the day of the exam. It will include topics related to the labs, tutorials, and assignments.

**FINAL EXAM (40%):**

Final Exam will be cumulative.

There will be six to seven tutorial quizzes, four assignments, one term test, one final exam, five pre-lab assignments, and five laboratory reports (two formal reports and three work sheets). Tutorial activities, pre-lab assignments, assignments, and experiments will all help you to prepare for Term Tests and Final Examinations. Examinations are a combination of multiple choices, short written answer questions. During exams students are allowed to bring only pencils, pens, erasers, model kits, their ID card, and **non-programmable calculators**.

**Attendance:**

Class participation is extremely important to your learning in this course. If you miss any class please make sure to complete the notes from your peers.

**Grade Summary:**

The available letters for course grades are as follows:

<u>Letter Grade</u>	<u>Description</u>
A+	
A	Excellent
A-	
B+	
B	Good
B-	
C+	
C	Satisfactory
C-	
D+	
D	Minimal Pass
F	Failure

In determining the overall grade in the course the following weights will be used:

Laboratory Experiments	25%
Tutorial Assignments/Quizzes	10%
Term Test	15%
Assignments	10%
Final Examination	40%

A mark of less than 50% in the laboratory component and/or on the weighted average of the midterm and final examinations will result in a final grade of no greater than D. Completion and submission of reports for fewer than three laboratory experiments will result in a final grade of no greater than D.

**Grading Scale:**

<b>A+</b>	<b>A</b>	<b>A-</b>	<b>B+</b>	<b>B</b>	<b>B-</b>
<b>95% - 100%</b>	<b>87% - 94.99%</b>	<b>82% - 86.99%</b>	<b>77% - 81.99%</b>	<b>72% -76.99%</b>	<b>66% - 71.99%</b>

<b>C+</b>	<b>C</b>	<b>C-</b>	<b>D+</b>	<b>D</b>	<b>F</b>
<b>62% - 65.99%</b>	<b>58% - 61.99%</b>	<b>54% - 57.99%</b>	<b>50% - 53.99%</b>	<b>45% - 49.99%</b>	<b>&lt; 44.99%</b>

Because of the nature of the Alpha 4.00 system, there can be no uniform College-wide conversion scale. The relationship between raw scores (e.g. percentages) and the resultant letter grade will depend on the nature of the course and the instructor's assessment of the level of each class, compared to similar classes taught previously. Please note that final grades will be available on student registration system. Printed grade sheets are not mailed out.

**Academic Accommodation:**

Ambrose University is committed to ensuring that each student is afforded an academic environment that has been developed on the principles of equal and equitable access, respect for individual differences, and academic integrity. Accessibility and Support Services offers services to students with documented disabilities including learning disabilities, chronic health issues, hearing and visual impairment, disabilities and temporary impairment due to accident, illness or injury. It is the student's responsibility to contact the Accessibility and Support Services office to request academic accommodation. The nature and type of academic accommodations vary from student to student and are dependent upon the student's disability and the academic requirements.

If you are a student with a documented disability who may require academic accommodation and have not registered with Student Accessibility and Support Services, please contact their office at [accessibility@ambrose.edu](mailto:accessibility@ambrose.edu) or (403) 410-2000 ext. 2956. Students who have not registered with Student Accessibility Services are not eligible for formal academic accommodation. For additional information on support services and accommodations for students with disabilities, visit: [https://ambrose.edu/student\\_life/accessibility-and-support-services](https://ambrose.edu/student_life/accessibility-and-support-services)

**Course Schedule: (Tentative Lecture / Tutorial / Laboratory Schedule)**

Week of	Lecture	Tutorial	Lab
Jan. 4	Introduction to the course Chemical Kinetics	No tutorial	No Lab
Jan 11	Chemical Kinetics	<b>Lab Safety Tutorial 1</b> <b>Review Quiz 1</b>	No Lab
Jan 18	Chemical Kinetics	No Tutorial	Lab 1: Mass percent of Acetic Acid in Vinegar
Jan 25	Chemical Equilibria: <b>Assignment 1 Due</b>	<b>Tutorial 2/Quiz 2</b>	No Lab
Feb 1	Chemical Equilibria	No Tutorial	<a href="#">Lab 2: Determination Total Hardness of Water</a>
Feb 8	Chemical Equilibria	Tutorial 3/Quiz 3	No Lab
Feb 15	Feb.15 Family day; <b>No classes</b> Feb 16-20 Winter break <b>No classes</b>	<b>No Tutorial</b>	<b>No Lab</b>
Feb 22	Aqueous Equilibria <b>Assignment 2 Due</b>	<b>No Tutorial</b>	Lab 3: Chemical Kinetics
Feb 29	Aqueous Equilibria Term Test , Friday, March 4	<b>Tutorial 4/ Quiz 4</b>	No Lab
March 7	Aqueous Equilibria	No Tutorial	Lab 4: Spectrophotometry
March 14	Aqueous Equilibria	<b>Tutorial5/Quiz 5</b>	No Lab
March 21	Electrochemistry <b>Assignment 3 Due</b> March 25 Good Friday <b>No class</b>	No Tutorial	<b>Lab 5:</b> Preparation of a buffer solution & investigation of its properties
March 28	Electrochemistry Easter Monday <b>No class</b>	No Tutorial	<b>No lab</b>
April 4	Electrochemistry	<b>Tutorial 6/Quiz 6</b>	No Lab
April 11	Wednesday, April 13 Last day of Class: <b>Assignment 4 Due</b>	<b>Tutorial 7/Quiz 7</b>	No Lab
Final Exam	Tuesday April 19, 9:00 am Room: A2210		



## Policies:

### Communication

All students have received an Ambrose e-mail account upon registration. It is the student's responsibility to check this account regularly as the Ambrose email system will be the professor's instrument for notifying students of important matters (cancelled class sessions, extensions, requested appointments, etc.) between class sessions. If students do not wish to use their Ambrose accounts, they will need to forward all messages from the Ambrose account to another personal account.

### Registration

During the **Registration Revision Period** students may enter a course without permission, change the designation of any class from credit to audit and /or voluntary withdraw from a course without financial or academic penalty or record. Courses should be added or dropped on the student portal by the deadline date; please consult the List of Important Dates. After that date, the original status remains and the student is responsible for related fees.

Students intending to withdraw from a course after the Registration Revision Period must apply to the Office of the Registrar by submitting a "Request to Withdraw from a Course" form or by sending an email to the Registrar's Office by the **Withdrawal Deadline**; please consult the List of Important Dates on the my.ambrose.edu website. Students will not receive a tuition refund for courses from which they withdraw after the Registration Revision period. A grade of "W" will appear on their transcript.

### Exam Scheduling

Students wishing to withdraw from a course, but who fail to do so by the applicable date, will

receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

Students, who find a conflict in their exam schedule must submit a Revised Examination Request form to the Registrar's Office by the deadline date; please consult the List of Important Dates. Requests will be considered for the following reasons only: 1) the scheduled final examination slot conflicts with another exam; 2) the student has three final exams within three consecutive exam time blocks; 3) the scheduled final exam slot conflicts with an exam at another institution; 4) extenuating circumstances. Travel is not considered a valid excuse for re-scheduling or missing a final exam.

### Electronic Etiquette

Students are expected to treat their instructor, guest speakers, and fellow students with respect. It is disruptive to the learning goals of a course or seminar and disrespectful to fellow students and the instructor to use electronics for purposes unrelated to the course during a class session. Turn off all cell phones and other electronic devices during class. Laptops should be used for class-related purposes only. Do not use iPods, MP3 players, or headphones. Do not text, read, or send personal emails, go on Facebook or other social networks, search the internet, or play computer games during class. Some professors will not allow the use of any electronic devices in class. The professor has the right to disallow the student to use a laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean. If you are expecting communication due to an emergency, please

speak with the professor before the class begins.

### **Academic Policies**

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Academic Calendar. Personal information (information about an individual that may be used to identify that individual) may be required as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at [privacy@ambrose.edu](mailto:privacy@ambrose.edu).

### **Extensions**

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a course Extension from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the deadline date; please consult the List of Important Dates. Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."

### **Appeal of Grade**

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Registrar's Office in writing and providing the basis for appeal within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of \$50.00 must accompany the appeal. If the appeal is sustained, the fee will be refunded.

### **Academic Integrity**

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Academic dishonesty is taken seriously at Ambrose University as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to acknowledge to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.

**Note:** Students are strongly advised to retain this syllabus for their records.