Chemistry 0010 - Introductory Chemistry

Course Outline

Summer 2018

Course Description

Chemistry 0010 is an interactive course, where we will explore chemical theories and problems in class, experience chemical phenomenon in the lab, and interact with chemistry concepts online. A solid understanding of chemistry provides you with a basis to understand the world around you and enhanced skills in problem solving and critical thinking. Topics include atomic theory, molecular structure, types of chemical reactions and stoichiometry, thermochemistry, kinetics, equilibrium, oxidation and reduction reactions and organic chemistry. This course is equivalent to the Ontario Grade 12U level chemistry, while some topics from the Ontario Grade 11U are also covered briefly.

Antirequisite(s): Grade 12 U Chemistry

Prerequisite(s): High school Chemistry at the advanced level

Instructor and Course Information

Instructor: Dr. Christina Booker

Email: cbooker2@uwo.ca

Office Hours: TBA, based on student schedules

The best way to contact me is through email. You can expect a reply within two business days. Please be sure to email from your @uwo.ca account, and use "CHEM 0010" in the subject line to ensure that the email reaches me.

Lectures/Tutorials: Tuesdays & Thursdays, 6:30 pm – 9:30 pm, BR-UH30

Lectures and tutorials will be interactive and integrated in the above class times. Please arrive ready to engage your mind, work through example questions, and discuss chemistry problems with your peers.

Laboratories: Wednesdays, 7:00 – 9:00 pm, BR-MRW156

This course includes 8 laboratories spaced throughout the summer term. A detailed schedule will be posted on the course OWL page at the beginning of the term. Labs are an essential component to this course – allowing you to build your lab skills and experience concepts that are discussed in class.

Course Learning Outcomes

By the end of this course, students will be able to:

- **Explain** the rationale for the chemistry theories discussed during the course through *Critical Thinking & Analysis Questions, Problem Discussions, Quizzes,* and *Tests/Exam*
- **Apply** appropriate laws and theories to problems in order to **predict** the outcome through *Lab Reports, Critical Thinking & Analysis Questions, Problem Discussions, Quizzes,* and *Tests/Exam*
- **Discuss** how the chemical laws and theories in this course apply to the world around us in the *Chemistry in the News Assignment*
- **Reflect** on their learning progress in the *Learning Reflection* assignments and make appropriate adjustments in order to master the problems presented
- **Demonstrate** appropriate lab skills and safety procedures during laboratories and through *Lab Reports*

Topic-Specific Learning Outcomes

By the end of this course, students will be able to:

Topic 1: The Study of Matter

- Identify the major parts of an atom and their significance
- Distinguish between chemical and physical properties
- Name simple inorganic compounds
- Solve problems involving Avogadro's number, moles, molar mass, molarity, and the composition of compounds or mixtures

Topic 2: Chemical Reactions

- Write and balance specific types of reactions
- Explain and calculate the amount of products and/or reactants involved in a reaction, including limiting reagent and percent yield
- Determine oxidation states, solubility, and pH given appropriate information

Topic 3: Atomic Theory

- Describe the historical development for the current understanding of the structure of the atom
- Predict and interpret the arrangement of electrons using electron configuration, orbital box notation, and quantum numbers
- Predict relative atomic size, ionization energy, electron affinity and electronegativity based on periodic table trends.

Topic 4: Bonding and Structure

- Describe the types of bonding that occurs between elements from different regions of the periodic table: metallic, ionic and covalent
- Apply the rules for Lewis structures to sketch molecules with covalent bonds and determine features of the compound such as resonance and bond order

- Apply the VSEPR theory rules to determine the shape of a compound at a central atom, the hybridization of the central atom and the polarity of the compound
- Determine the type and relative strength of the forces that exist between molecules based on their structure

Topic 5: Gases

- Use the Combined Gas Law and the Ideal Gas Law to carry out calculations involving one gas or a mixture of non-reacting gases
- Interpret the behaviour of ideal gases using the Kinetic Molecular Theory
- Identify the forces that account for differences between an ideal and real gas

Topic 6: Thermodynamics

- Calculate the energy changes involved in various processes such as heating, cooling, changes of state and chemical reactions
- Use Hess's Law to determine the enthalpy change for a reaction
- Write formation reactions and use these standard heats of formations to predict the enthalpy change for a new reaction
- Use calorimetry to determine the heat of a reaction
- Describe entropy and Gibb's Free Energy and use these values to predict if a reaction is spontaneous

Topic 7: Kinetics

- Explain the factors affecting the rate of a reaction using Collision theory
- Determine the rate law for a specific reaction given appropriate data and identify the order of that reaction, the intermediates and any catalysts
- Calculate the half life time or concentrations involved in first order reactions
- Interpret and apply the Arrhenius equation to appropriate problems

Topic 8: Chemical Equilibrium

- Determine the equilibrium constant and equilibrium expression based on experimental data
- Predict the direction in which a reaction will proceed using Le Chatelier's Principle and the reaction quotient
- Write the equilibrium expression and calculate the amounts of each species present in an equilibrium using equilibrium constants for situations involving low solubility salts, weak acids, weak bases, salts or buffer solutions
- Identify various titration curves and select an appropriate indicator for a titration
- Identify acids, weak acids, bases, weak bases and salts, including conjugate species, write equilibrium equations for these species, and predict the relative pH for a solution of this substance
- Identify the components and value of a buffer solution, and perform calculations to determine the pH and amounts of components in this solution

Topic 9: Redox Reactions

- Determine the oxidation state of an element
- Interpret a redox reaction by identifying the species being oxidized and reduced

- Balance redox reactions
- Identify and describe the importance of each part of an electrochemical cell and interpret cell notations
- Predict the spontaneity of a reaction based on its cell potential (given, or calculated)
- Calculate current, time or the amount of product in an electrolytic process using Faraday's Law
- Describe the types and chemical processes in primary and secondary batteries
- Explain the issue and chemical process of corrosion

Topic 10: Organic Chemistry

- Identify organic functional and family groups and their properties
- Name simple compounds using the IUPAC and common system
- Identify conformers, structural isomers and geometric isomers
- Identify and complete several common types of organic reactions through drawing and naming
- Identify common polymers and two types of reactions used to make polymers
- Predict polymers that could be synthesized, given the starting materials

Laboratories

- Correctly use lab equipment such as burettes, mass balances, and pipettes
- Titrate a solution to the endpoint
- Accurately record pertinent observations while following written instructions in a lab setting
- Use experimental data to complete calculations using the correct number of significant figures
- Compare their data to 'real' data and make constructive suggestions as to why there may be differences
- Identify and use appropriate lab safety equipment and procedures

Required Materials

All of the following materials are available at the Western Bookstore:

Chemistry 0010 Notes Summer 2018
Chemistry 0010 Lab Manual Summer 2018
Lab Coat (safety glasses will be provided during the lab)
Non-programmable scientific calculator

Course Evaluation

Lab Reports (8 Reports x 1.88 %)	15.0 %
Critical Thinking & Analysis Questions (In-Class)	5.0 %
Quizzes (Online)	5.0 %
Problem Discussions (Online)	5.0 %
Chemistry in the News Assignment (Online)	5.0 %
Learning Reflections (2 Reflections x 1.0 %)	2.0 %
Midterm Test #1 (Wednesday, June 6th, 7-9 pm)	16.0 %
Midterm Test #2 (Wednesday, July 4th, 7-9 pm)	17.0 %
Final Exam (3 h, scheduled by the Registrar)	30.0 %

You must pass the laboratory portion of the course to pass the course (mark ≥ 7.5 / 15). All the labs count toward the lab mark. None are 'dropped'. If you do not pass the lab portion of this course, your reported course grade will be no greater than 40%.

Lab Reports

A pre-lab assignment must be handed in at the beginning of the lab session and will count towards the lab report grade for that lab. It is required that the pre-lab is completed and submitted for you to be able to perform the lab. Data for the lab report will be collected during the lab session and **recorded on the lab report**, *in pen,* during the lab session. Analysis, calculations and conclusions can be completed during the lab, or after the lab session. It is expected that the data for lab partners will be the same. However, the analysis, calculations, and conclusions **must be completed in each student's own words**. Direct copying of your lab partner's report or pre-lab exercise is considered plagiarism and will be followed up according to Brescia University College plagiarism policy.

Lab reports are due Thursdays in class at 6:30 pm, the day after the lab session. (The one exception to this due date policy will be the final lab report, which will be due at the conclusion of the lab session.)

Critical Thinking & Analysis Questions (CTAQ)

The iClicker software, accessible through the OWL course page, will be used to collect your responses to critical thinking, analysis, and discussion questions which will be posed throughout most of the lectures. This is a free (to you) software that is supported by the institution. Thus, rest assured your personal information and privacy will be protected. Also know that data gathered using this software will not be used for research purposes without the express written permission of the student. *Physical clicker devices will not be used.* Instead, any WiFi-enabled device (phone, tablet, computer) can be used to submit responses and will act as your "Personal Response System". You must set up an account (link through the OWL course page) in order to access the questions, and you will use this same account throughout the year. We will discuss how to set up this account during the first week of class. **Please note that Brescia has WiFi access in the classrooms**, so you will not need to use up your personal data package to respond to questions.

If you do not have an electronic device you can still participate in the *Critical Thinking & Analysis Questions* and earn a grade for this evaluation component! A pdf response sheet can be printed off the OWL course page and brought to class. You can record your responses in pen on this sheet during the lecture and submit this to me at the conclusion of the class. Please note – these paper forms will *only* be accepted immediately following the

class in which the questions were asked, and must be written on the official printout from the course OWL site. If you have any questions on how to meet these requirements, I am happy to discuss them with you.

The purpose of this evaluation component is to encourage you to engage your mind in the material we discuss during class. This will also prompt conversations amongst the class to discuss the concepts and problems proposed during lecture. It is all too easy to nod along while an "expert" demonstrates how to solve a problem. Learning improves when you challenge yourself to *think* during class, for example, by predicting the next step of a problem solving strategy, analyzing *why* an answer is correct or incorrect, or identifying a rational response based on the theory discussed.

In order to assign a grade for this component, **three points** will be given for a correct answer, **two points** will be given for an incorrect answer (as attempts and learning from errors IS valuable!), and **zero points** will be given for no response. If you are absent from class, your non-responses will fit in the "no response" category for those questions and earn a grade of 0. It is understandable that sickness and other commitments may keep you from the occasional class, and thus, the grading scheme below has **built-in accommodation** for the occasional absence, as well as any technical difficulties you may encounter during the term. Thus, *additional* accommodation will *not* be granted to make-up this grade. There will be many questions posed throughout the term, so you will have ample opportunity to demonstrate your analysis and critical thinking. At the conclusion of the course, the final 5% evaluation component will be calculated as follows:

Percentage of Possible Points (%)	≥80	≥70	≥60	≥50	≥40	≥30	≥20	≥15	≥10	≥0	0
Grade Achieved	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0

Quizzes

Quizzes will be posted online on a weekly basis. Past students have appreciated these weekly quizzes to encourage them to stay up-to-date with the course material. I recommend that you complete the practice problems relevant to the course content (covered the previous week in class) prior to completing your quiz. Quizzes will be accessible through the OWL course website from Monday morning through to Thursday at 6 pm. These brief quizzes can be completed at any point during this time frame, and students will have one hour to complete the quiz once it has begun. These are open book quizzes, but must be completed individually

Problem Discussions

Chemistry is best learned through practice, and this assignment allows you to practice the problem solving process while working collaboratively with your peers. Through the course OWL site, you will post a minimum of four solutions to problems assigned in this course. Your solutions must explain *how* you solved the problem, including how you defined the problem, the steps you took to solve the problem, any assumptions you made along the way, and your conclusions (the answer). Your solutions may be presented in any of the following ways:

1. Typed in sentence form with any associated formulas/math/equations *OR*
2. A photo of your solution with an accompanying text/audio/audiovisual explanation *OR*
3. A video of you presenting your solution.

You must then review and reply to some of your peer's posted solutions. A rubric for this assignment with specific evaluation details and dates will be posted on OWL.

Chemistry in the News Assignment

The purpose of this assignment is to have you discover how chemistry is integrated into the day-to-day world around us. As well, this assignment gives you an opportunity to apply your chemistry knowledge to a current issue, find and reference scholarly sources, and even evaluate the findings of an article. Your task will be to find a current news article that is somehow related to a topic we discuss in Chem 0010 and prepare a 500 word review of this article following the expectations and guiding questions provided. You will then post your discussion on the OWL course page and reply to your classmate's posts during the term. Guidelines for your post and replies, as well as due dates and grading will be posted on OWL.

Learning Reflections

Following each midterm test, you will submit a brief reflection on your learning process, study habits, and goals for the course. The purpose of this assignment is to assess yourself on your progress in the course, and discuss any changes you want to implement in order to succeed in the course. This reflective process is part of one of the Brescia competencies. Specific questions for you to answer will be provided for each reflection. Completion of this assignment and submission on time will receive full grades. These assignments will be submitted via OWL.

Tests and Exams

Two midterm tests and one final exam will be given to examine your understanding and application of the course content. Tests and the final exam will consist of multiple choice and short answer questions. Tests will be 2.0 hours in length, while the final exam will be scheduled by the Registrar for 3 hours. These tests/exam are closed book, but you are permitted a scientific, non-programmable calculator. A reference sheet with formulas will be provided as needed, and you will be informed of this reference sheet prior to the test/exam. The content range covered on the test will be announced in class and on the OWL course page a week prior to the test. The final exam will be cumulative.

Suggestions for Success

Plan to attend every class – we will discuss concepts thoroughly with many examples, so it is in your best interest to be present, attentive and engaged! Please bring your Course Notes, a WiFi-enabled device (or a printout response sheet) and a calculator to class as we will complete examples directly in your Course Notes package.

This is a problem solving course. Lots of examples are available for you to follow in the Course Notes. However, it is very difficult to do well in this course without **doing the problems on your own**. There are lots of questions in the Course Notes. The final answers to most of the questions are given in the course notes and the **full solutions are on course website**. However - **do not just read the solutions!** This will not assist you in gaining problem solving skills or assessing your understanding. Begin, progress through, and conclude as many questions as you need to grasp the concept. Consider all the practice problems to be "assigned homework". Chemistry textbooks will be available in the library as reference. This course has a heavy workload and it can be difficult to catch up once you fall behind – so do your best to stay on top of the practice problems!

If you are having trouble with any of the concepts, please ask for help as soon as possible. Some topics are easier to explain in person, so I am happy to meet with you to discuss any areas of difficulty. You can also post simpler questions to the OWL discussion page under the appropriate topic. Students are free to answer these content questions, and I will moderate them as well.

Math skills are quite necessary for this course. A math assessment will be given at the beginning of the term to evaluate your math skills. This does not count toward the course mark, but will allow you and me to gauge your entry math skills and seek assistance early in the course if necessary.

Chem 0010 Policies and Expectations

Laboratory Requirements

A lab coat is mandatory and may be purchased at the Western bookstore. Safety Glasses will be provided.

Dress Code: A lab coat, long pants (must come to the ankles), socks that cover the ankles, and closed shoes are mandatory. Hair must be tied back, if possible. Due to your personal safety, students who are not dressed according to this code must be asked to leave the lab and a mark of zero will be assigned for that lab. *I understand the summer term can be especially warm – so feel free to walk to the lab building in your desired attire, but change and be ready in your lab attire when the lab begins.*

Attendance: All labs count toward the lab mark. ***Any student who is more than 5 minutes late will not be permitted to do the experiment*** since important information will be discussed at the beginning of the session. The clock in the lab will be used as the basis for this decision. Please contact academic counseling if you miss a lab due to illness or other extenuating circumstances.

Code of Conduct

The learning environment for Chem 0010 will be supportive, challenging, and respectful. This will be a safe environment to ask questions and take a chance on an unsure answer. As the instructor, I will treat you with respect, and I expect the same respect to be demonstrated by all students. We will develop a set of classroom expectations during the first week of class.

Communication

Students will receive email at their @uwo.ca address only. Schedules and important information will be posted on the OWL course page. Please check for email and website updates on a regular basis.

All online discussions on the OWL course page and emails are expected to be written in a respectful tone and with professional style. For example, “This idea sucks” is an inappropriate comment, while a better response could be “This idea contradicts the First Law of Thermodynamics and thus I propose the temperature will increase rather than decrease.” For another example, “Can u help me i dont no how” is vague and not written in a professional style. This could be modified to, “Dear Dr. Booker, I am confused about how to calculate the equilibrium constant. Can we meet to chat about this after class on Wednesday? Thanks, Anusha”

Absences

If you must be absent from a class, please contact a classmate to obtain the notes for the examples you have missed. If you have any questions, feel free to ask me.

Absence from a lab, test, or exam must be dealt with by academic counseling. Documentation will be required for accommodation to be provided. If you are excused from a lab or test, you grade will mostly likely be reweighted towards the other labs/tests, although a make-up test may be considered under special circumstances. If you are excused from the final exam, you will be required to write the Special Exam or next available final exam. Please see the Brescia policies below.

If you are absent from class when a "Critical Thinking and Analysis Question" is asked, you will receive 0 points for this question. As discussed above, the grading scheme for these questions makes allowance for occasional absences and technical difficulties. Since ample opportunity will be given to respond to these questions, additional grading accommodations will not be provided for occasional absences.

Late Assignments

Lab reports are marked out of 10. Any that are handed in late will have *one mark per day deducted* and will not be accepted once the marked reports have been returned to the other students, unless documentation is received from academic counselling.

Online assignments, including *Problem Discussions* and the *Chemistry in the News* assignment, require a collaborative process online amongst classmates. You will have ample time to complete these assignments prior to their due date, so please plan ahead and post these prior (or by) the due date. Late marks (10% per day) will be applied if necessary. Please contact me if extenuating circumstances arise. *Learning Reflections* will also receive a 10% deduction per day if submitted late.

The solutions to the *Quizzes* will be posted immediately after the due date, so unfortunately, it is not possible to submit a late quiz for grades.

Guidelines for Students on the Use of Personal Response Systems

We will be using iClicker, which is integrated into OWL, and using personal WiFi-enabled devices rather than physical "clickers". *Please note that entering responses on another student's iClicker account constitutes a scholastic offence.* The following policies are provided for your reference:

Personal Response Systems ("clickers") may be used in some classes. If clickers are to be used in a class, it is the responsibility of the student to ensure that the device is activated and functional. Students must see their instructor if they have any concerns about whether the clicker is malfunctioning. Students must use only their own clicker. If clicker records are used to compute a portion of the course grade:

- the use of somebody else's clicker in class constitutes a scholastic offence,
- the possession of a clicker belonging to another student will be interpreted as an attempt to commit a scholastic offence.

2017-18 BRESCIA UNIVERSITY COLLEGE ACADEMIC POLICIES AND REGULATIONS

1. POLICY REGARDING MAKEUP EXAMS AND EXTENSIONS OF DEADLINES

When a student requests academic accommodation (e.g., extension of a deadline, a makeup exam) for work representing 10% or more of the student's overall grade in the course, it is the responsibility of the student to provide acceptable documentation to support a medical or compassionate claim. All such requests for academic accommodation **must** be made through an Academic Advisor and include supporting documentation. Academic accommodation for illness will be granted only if the documentation indicates that the onset, duration and severity of the illness are such that the student could not reasonably be expected to complete her academic responsibilities. Minor ailments typically treated by over-the-counter medications will not normally be accommodated. Documentation shall be submitted as soon as possible to the student's Academic Advisor indicating the period of illness and when the student should be able to resume academic responsibilities. Students must submit their documentation along with a request for relief specifying the nature of the accommodation being requested no later than two business days after the date specified for resuming responsibilities. Appropriate academic accommodation will be determined by the Dean's Office in consultation with the student's instructor(s). Please note that personal commitments (e.g., vacation flight

bookings, work schedule) which conflict with a scheduled test, exam or course requirement are **not** grounds for academic accommodation.

A UWO Student Medical Certificate (SMC) is **required** if a student is seeking academic accommodation on medical grounds. This documentation should be obtained at the time of the initial consultation with the physician/nurse practitioner or walk-in clinic. A SMC can be downloaded from: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf. The student must request documentation sufficient to demonstrate that her ability to meet academic responsibilities was seriously affected. Please note that under University Senate regulations documentation stating simply that the student "was seen for a medical reason" or "was ill" is **not** adequate to support a request for academic accommodation.

Whenever possible, requests for academic accommodation should be initiated in advance of due dates, examination dates, etc. Students must follow up with their professors and Academic Advisor in a timely manner.

The full policy on requesting accommodation due to illness can be viewed at: http://westerncalendar.uwo.ca/2017/pg117.html

2. ACADEMIC CONCERNS

If you feel that you have a medical or personal problem that is interfering with your work, contact your instructor and Academic Advisor as soon as possible. Problems may then be documented and possible arrangements to assist you can be discussed at the time of occurrence rather than on a retroactive basis. Retroactive requests for academic accommodation on medical or compassionate grounds may not be considered.

If you think that you are too far behind to catch up or that your work load is not manageable, you should consult an Academic Advisor. If you consider reducing your workload by dropping one or more courses, this must be done by the appropriate deadlines (refer to the Registrar's website, http://brescia.uwo.ca/academics/registrar-services/ or the list of official dates http://westerncalendar.uwo.ca/2017/pg7.html). You should consult with the course instructor and the Academic Advisor who can help you consider alternatives to dropping one or more courses. *Note that dropping a course may affect OSAP eligibility and/or Entrance Scholarship eligibility.*

The Dean may refuse permission to write the final examination in a course if the student has failed to maintain satisfactory academic standing throughout the year or for too frequent absence from the class or laboratory (http://westerncalendar.uwo.ca/2017/pg130.html)

3. ABSENCES

Short Absences: If you miss a class due to a minor illness or other problems, check your course outline for information regarding attendance requirements and make sure you are not missing a test or assignment. Cover any readings and arrange to borrow notes from a classmate. Contact the course instructor if you have any questions.

Extended Absences: If you have an extended absence, you should contact the course instructor and an Academic Advisor. Your course instructor and Academic Advisor can discuss ways for you to catch up on missed work and arrange academic accommodations, if appropriate.

4. POLICY ON CHEATING & ACADEMIC MISCONDUCT

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf.

Students are responsible for understanding the nature of and avoiding the occurrence of plagiarism and other academic offences. Students are urged to read the section on Scholastic Offences in the Academic Calendar. Note that such offences include plagiarism, cheating on an examination, submitting false or fraudulent assignments or credentials, impersonating a candidate, or submitting for credit in any course without the knowledge and approval of the instructor to whom it is submitted, any academic work for which

credit has previously been obtained or is being sought in another course in the University or elsewhere. Students are advised to consult the section on Academic Misconduct in the Western Academic Calendar.

If you are in doubt about whether what you are doing is inappropriate or not, consult your instructor, the Student Services Centre, or the Registrar. A claim that "you didn't know it was wrong" is not accepted as an excuse.

The penalties for a student guilty of a scholastic offence (including plagiarism) include refusal of a passing grade in the assignment, refusal of a passing grade in the course, suspension from the University, and expulsion from the University.

Plagiarism:

Students must write their essays and assignments in their own words. Whenever students take an idea or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar).

All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (http://www.turnitin.com).

Computer-marked Tests/exams:

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating. Software currently in use to score computer-marked multiple-choice tests and exams performs a similarity review as part of standard exam analysis.

5. PROCEDURES FOR APPEALING ACADEMIC EVALUATIONS

All appeals of a grade must be directed first to the course instructor. If the student is not satisfied with the decision of the course instructor, a written appeal signed by the student must be sent to the Department Chair. If the response of the department is considered unsatisfactory to the student, she may then submit a signed, written appeal to the Office of the Dean. Only after receiving a final decision from the Dean may a student appeal to the Senate Review Board Academic. A Guide to Appeals is available from the Ombudsperson's Office, or you can consult an Academic Advisor. Students are advised to consult the section on Student Academic Appeals under Academic Rights and Responsibilities in the Western Academic Calendar (http://westerncalendar.uwo.ca/2017/pg112.html).

Note that final course marks are not official until the Academic Dean has reviewed and signed the final grade report for the course. If course marks deviate from acceptable and appropriate standards, the Academic Dean may require grades to be adjusted to align them with accepted grading practices (http://www.uwo.ca/univsec/pdf/academic_policies/exam/evaluation_undergrad.pdf and http://www.uwo.ca/univsec/pdf/academic_policies/exam/finalgrades.pdf).

6. PREREQUISITES

Unless you have either the prerequisites for a course or written special permission from your Dean to enroll in it, you will be removed from the course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisite(s).

7. SUPPORT

Support Services

The Brescia University College Registrar's website, with a link to Academic Advisors, is at is at http://brescia.uwo.ca/academics/registrar-services/ . The website for the Student Development Centre at Western is http://www.sdc.uwo.ca/ .

Mental Health and Wellness

Students may experience a range of issues that can cause barriers to your learning, such as increased anxiety, feeling overwhelmed, feeling down or lost, difficulty concentrating and/or lack of motivation. Services are available to assist you with addressing these and other concerns you may be experiencing. You can learn more about mental health and wellness at Brescia at http://brescia.uwo.ca/life/mental-health-wellness/. Students who are in emotional/mental distress should refer to Mental_Health@Western http://www.uwo.ca/uwocom/mentalhealth/ for a complete list of options about how to obtain help.

Sexual Violence

All members of the Brescia University College community have a right to work and study in an environment that is free from any form of sexual violence. Brescia University College recognizes that the prevention of, and response to, Sexual Violence is of particular importance in the university environment. Sexual Violence is strictly prohibited and unacceptable and will not be tolerated. Brescia is committed to preventing Sexual Violence and creating a safe space for anyone in the Brescia community who has experienced Sexual Violence.

If you or someone you know has experienced any form of Sexual Violence, you may access resources at http://brescia.uwo.ca/life/sexual-violence/.

Portions of this document were taken from the Academic Calendar, the Handbook of Academic and Scholarship Policy and the Academic Handbook of Senate Regulations. This document is a summary of relevant regulations and does not supersede the academic policies and regulations of the Senate of the University of Western Ontario.