

# Chemistry 20 Course Outline

Teacher: Mrs. H. Gablemann, Mr. C. Blair  
Textbook: Inquiry into Chemistry, McGraw-Hill  
Ryerson  
Prerequisites: Science 10

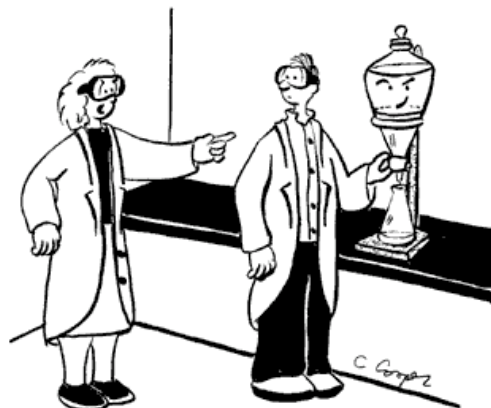
Chemistry 20 consists of four units of study;

Unit A: Diversity of Matter

Unit B: Forms of Matter: Gases

Unit C: Matter as Solutions, Acids and Bases

Unit D: Quantitative Relationships in Chemical Changes



“And I’ll thank you to wipe that smirk off your phase!”

General Outcomes for this course are:

A: Students will describe the role of modeling, evidence and theory in explaining and understanding the structure, chemical bonding and properties of ionic and molecular substances.

B: Students will explain molecular behavior, using models of the gaseous state of matter.

C: Students will investigate solutions, describing their physical and chemical properties  
:Students will describe acidic and basic solutions qualitatively and quantitatively.

D: Students will explain how balanced chemical equations indicate the quantitative relationships between reactants and products involved in chemical changes.  
: Students will use stoichiometry in quantitative analysis.

Based upon the Alberta Education curriculum document of 2007.

The course will divide the four units as follows.

Unit A: Chapters 1 and 2

Unit B: Chapters 3 and 4

Unit C: Chapter 5

Chapter 6

Unit D: Chapter 7

Chapter 8

Chapters will be weighted according to the amount of class time devoted to each topic. It is expected that each topic will take two to three weeks to complete.

Evaluation:

Assignments and labs:	10%
Unit Exams:	50%
Final Exam:	40%
Total	100%

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## Student Expectations

Laboratory work is an important part of chemistry understanding and lab participation and completion is a requirement of this course. Accordingly safety is of the utmost importance. All students are required to wear personal protective equipment (PPE). This equipment consists of safety goggles, gloves and an apron. Should the student not have the PPE issued to them in grade 10, they may purchase it from the school at the following costs. Goggles - \$4.00 Aprons and gloves- \$0.50 each. Any student without PPE or appropriate footwear during a lab class will not be allowed to participate and will be assigned a mark of zero.

It is expected that all classes will be attended and all assignments will be completed and handed in according to the timelines presented. Should a student miss a class, it is their responsibility to find out what the day's assignments were and to have them ready to hand in the next day. A copy of the class notes is at <http://fc.gsacrd.ab.ca/~cblair> or <http://fc.gsacrd.ab.ca/~hgablemann>

Students are expected to complete all quizzes and exams during the class time provided. Should a student miss an exam or quiz, they will be expected to complete it upon the first day of their return to school. Alternative arrangements may be made upon discussion with the teacher. Generally these are written after school on Friday. Times to be determined by the availability of staff. It is the responsibility of the student to inform the teacher of a missed quiz or exam. The teacher will not chase the student to have these written and zeros will be assigned. Only absences that are excused by a parent will be allowed to write missed exams and quizzes. Should an exam be missed, a mandatory tutorial session must be attended, at lunchtime either Tuesday or Wednesday. If this session is missed, or the make-up exam is missed, then the mark on the final exam will be the mark allocated to the missed unit exam.

Students are expected to seek help when required, ask questions during class, and participate in discussions.

Textbooks for the class are provided through the library. It is the student's responsibility to keep the books in good order. Please check through your book when you first obtain it. Any damages are to be noted and reported to the librarian. You will be held accountable for any damages that occur while you have the book and may be required to pay for their repair.

## Teacher Responsibilities

Sufficient notification of quizzes and exams will be made in class. This excludes pop or on-time quizzes.

Every effort will be made to help students understand the material presented. The best time to obtain extra help will be at lunch or after school. Please approach the teacher to confirm these extra sessions.

Success depends upon previous preparation, and without such preparation there is sure to be failure. (Confucius)