***OUR LADY OF LOURDES CATHOLIC HIGH SCHOOL*COURSE OVERVIEW**

**COURSE TITLE:** Grade 11 University Preparation Chemistry

**COURSE CODE:** SCH 3U

**CREDIT VALUE:** 1.0

**INSTRUCTOR:** J Seguin

**Course Description:**

This course is designed to provide students with the knowledge and skills they need to meet the entrance requirements for university programs. It emphasizes independent research skills and independent learning skills. In addition, it focuses on the concepts and theories that form the basis of modern chemistry. Students study the behaviours of solids, liquids, gases and solutions; investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science.

**How This Course Supports the Catholic Graduate Expectations:**

This course seeks to further the achievement of Catholic Graduate expectations through integrating Scripture, Catholic Church teaching and moral and ethical reflection. Students are encouraged to become discerning believers who integrate faith with life. Students develop their decision-making skills by informing their conscience and critically reflecting on the spiritual, moral and ethical dimensions of issues raised in the course. In addition, as informed Catholic citizens, students acknowledge and accept their responsibility as stewards of the earth and use their knowledge to address pressing environmental issues. Finally, by examining the reactivity of compounds found in nature, students develop a wonder of creation, a respect for the environment, and a need for the wise use of resources. Please see the Course Calendar/Agenda Book for a listing of the Ontario Catholic Graduate Expectations.

**Overall Expectations:**

These can be found at the following website:

<http://www.edu.gov.on.ca/eng/curriculum/secondary/subjects.html>

**Units: Titles and Times**

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| --- | --- | --- |
| Unit 1 | Matter, Chemical Trends, and Chemical Bonding | 20 hours |
| Unit 2 | Chemical Reactions | 18 hours |
| Unit 3 | Quantities in Chemical Reactions | 22 hours |
| Unit 4 | Solutions and Solubility | 24 hours |
| Unit 5 | Gases and Atmospheric Chemistry | 22 hours |

**Assessment and Evaluation:** Knowledge and Understanding 25% Thinking, Inquiry and Problem Solving 45%

Communications 10%

Applications 20%Assessment strategies include, but are not limited to tests, quizzes, formal laboratory reports, oral presentations, research assignments, group activities and laboratory skills.

\*\* If the teaching format must be altered (switch to hybrid model or distance learning) during the academic term, the weighting of the categories and methods of evaluation may have to be altered. You will be notified of any changes through D2L \*\*

**Course Grade Weighting:** Term Work 70% Culminating Activity and Examination 30%Failure to complete assessment and evaluation activities reduces the body of evidence upon which the teacher can evaluate student achievement of the curriculum expectations and could jeopardize the granting of a credit for the course.**Textbook:***Chemistry 11 University Preparation* – Nelson, 2012

**Late/missed assignments** Please see the information regarding this topic in the student agenda books provided by the school. If a student is absent on the date that an assignment is due, the assignment must be sent by e-mail or placed in the drop box on the due date.

**Cheating and plagiarism** Please see the information regarding this topic in the student agenda books provided by the school. **General Course Information**

Learning Skills: regular attendance, working independently, teamwork, organization, work habits, initiative, risk-taking, time-management, perseverance, questioning, curiosity and a love of learning are all essential for success in this course. A scientific calculator is required.

**Parent/Guardian/Student Signature**

My signature below indicates that I have read and understood the course overview.

Student Signature: Date:

Parent/Guardian Signature: Date:

**Parent/Guardian Contact**

Email has become an efficient means of communication between parents and teacher. My school email address can be accessed through my website; jseguin.weebly.com please feel free to send me an email at any time. If you would like me to contact you this way, please supply a parent/guardian email address that is checked on a regular basis. Thank you.

Parent / Guardian name:

Parent / Guardian email:

**Students:** Please keep this sheet in your notebook. Good luck this semester.