**Course Outline**: **SCH 3U1 Summer eClass 2019**

**Course :**  Grade 11 University Chemistry

**Course Code:**  SCH 3U1

**Teacher:**  Mrs. Ada Esonwanne

**Contact Information**

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**Course Description**

*This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical relations and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.*

**Assessment and Evaluations**

Students will be provided with numerous and varied opportunities to demonstrate the full extent of their achievement of the curriculum expectations. Students will be assessed on their knowledge and understanding, thinking, communication and application skills. Assessments will be both formative and summative and will be in the form of assignments, research assignments, lab reports, quizzes and tests. Each unit will conclude with a summative unit test. The culminating activity consists of a written final examination. As required by the Ministry of Education, students will be assessed in the four areas of the achievement chart. The chart below provides suggested percentages for each category.

|  |  |
| --- | --- |
| **Assessment Category** | **Percentage** |
| Knowledge and Understanding | 30 |
| Thinking and Inquiry | 30 |
| Communication | 20 |
| Application | 20 |

**Final Grade**

The final grade will be determined as follows (in accordance with Ministry of Education standards):

|  |  |
| --- | --- |
| Term Work Based on evaluations conducted throughout the course. | 70% |
| Summative Evaluation A final evaluation in the form of an exam. | 30% |

\*Unless otherwise indicated, all assignments will be submitted using the dropbox for that assignment.

\*\* Students must comply with the TCDSB's [Code of Online Conduct](http://schoolweb.tdsb.on.ca/elearning/Desire2Learn/CodeofOnlineConduct.aspx)

**Learning Skills**

The following Learning Skills rubric can be used by online teachers when assessing Learning Skills:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | **Needs Improvement** | **Satisfactory** | **Good** | **Excellent** |
| **Works Independently** | Needs repeated directions to clarify and begin assignments | Needs some directions to clarify and begin assignments | Rarely needs directions to clarify and begin assignments | Does not need directions to clarify or begin assignments |
| **Teamwork** | Rarely demonstrates participation with classmates by attending or reading chats and threaded discussions | Sometimes demonstrates participation with classmates by attending or reading chats and threaded discussions | Often demonstrates participation with classmates by attending or reading chats and threaded discussions | Consistently demonstrates participation with classmates by attending or reading chats and threaded discussions |
| **Organization** | Limited organization and time management skills  Does not meet deadlines | Some organization and time management skills  Sometimes meets deadlines | Good organization and time management skills  Frequently meets deadlines | Exemplary organization and time management skills  Consistently meets deadlines |
| **Work Habits/ Homework** | Homework is frequently incomplete  No motivation evident | Homework is occasionally complete  Some motivation evident | Homework is regularly complete  Considerable motivation evident | Homework is always complete  Highly motivated |
| **Initiative** | Rarely extends thinking beyond material presented | Sometimes extends thinking beyond material presented | Often extends thinking beyond material presented | Consistently extends thinking beyond material presented |

To promote student success, ongoing formative assessment and feedback will be given to students. As required by the Ministry of Education, students will be assessed in the four areas of the achievement chart.  The chart below provides percentages for each category. All evaluations are expected on the **due date**, however, they will be also accepted up and until the **ultimate due date**.  Submission after the ultimate due date results in a mark of **zero**.

**Evaluation Dates**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit** | **Activities** | **Due Date** | **Ultimate**  **Due Date** |
| **Orientation** | Introduce Yourself Online | July 3, 2019 | July 7, 2019 |
| **Unit 1:  Matter, Chemical Trends and Chemical Bonding** | Activity 1: Assignment: Antifreeze  Activity 2  Activity 3: Assignment: Periodic Trends  Activity 4  Activity 5: Nomenclature | July 10, 2019 | July 12, 2019 |
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| **Unit 2:  Chemical Reactions** | Activity 1  Activity 2: Assignment 1: Balancing Equations  Activity 3  Activity 4: Unit Questions Assignment | July 12, 2019 | July 14, 2019 |
| **Midterm Activity** | Midterm Exam | July 12, 2019 | July 12, 2019 |
| **Unit 3:  Quantities in Chemical Reactions** | Activity 1  Activity 2: Assignment: The Mole Calculations  Activity 3: Assignment: Complete worksheet: Percent Composition + Empirical and Molecular Formulas  Activity 4  Activity 5: Unit Quiz | July 18, 2019 | July 21, 2019 |
| **Unit 4:  Solutions and Solubility** | Activity 1  Activity 2: Assignment: Titration Lab | July 23, 2019 | July 25, 2019 |
| **Unit 5: Gases and Atmospheric Chemistry** | Activity 1: Assignment 3: Canadian Scientists  Activity 2  Activity 4: Unit Review Questions | July 26, 2019 | July 28, 2019 |
| **Culminating Activity** | Final Exam | July 27, 2019 | July 27, 2019 |

**Mark Breakdown**

|  |  |
| --- | --- |
| Assignments (Dropbox and Direct Link) | 60 % |
| Midterm Exam | 10 % |
| Final Exam | 30 % |
| Total | 100 % |