

Science 30 Outline



W.P. WAGNER

[school of science and technology]

School: W.P. Wagner School of Science and Technology

Course: Science 30

Credits: 5

Prerequisites: Any 20-level science

Teacher: Mr. A. Linville

Teacher Contact info: Room 166 during class time or phone (780)469-1315

Necessary Materials:

- **Textbook: Science 30**
- **Binder**
- **Pencil**
- **Ruler**
- **Paper**
- **Calculator**

Purpose/Goals/Objectives:

Science 30 is a five credit course designed for students who want to enhance their understanding of the scientific principles behind the natural events of their world and the technology that they use in their daily lives. The course is designed to provide students with the scientific literacy required to function in a technological society and to prepare them for post-secondary studies.

Scope and Sequence:

<i>Units of Study</i>	<i>Weight (%)</i>	<i>Class Time</i>	<i>Tentative Exam Dates</i>
1: Living Systems: circulation, immune system, genetics	28	22	
2: Chemistry: acids & bases, organic chemistry	28	21	
3: Electromagnetic Energy	28	22	
4: Energy & the Environment	16	14	
Review		3	

Class website where you can get missed notes and assignments:

<http://www.linville.ca/>

Assessment:

Ongoing assignments, labs, quizzes and exams will be used to assess student achievement. At the end of the course students will write the Alberta Education Diploma Exam. 70% of your overall grade will be awarded by your teacher. The other 30% will be determined by your performance on the Diploma Exam.

Evaluation/Grading Policies

The teacher-awarded portion will be presented in four units. Each unit mark will be comprised of 30% for daily work (quizzes, projects, labs, assignments, etc) and 70% for unit exams. If you miss a unit exam, you will be given an opportunity to write an **alternate exam at the end of the course.** If you miss a quiz, no alternate quiz will be given.

To be eligible for a replacement exam, students are required to have completed at least 90% of all homework including labs. The original exam has to be 15% or more below the current mark in the course. When the replacement exam is written is at the discretion of the teacher.

Assignments, including labs, that have not been handed in or omitted by the end of the current unit of study will receive a mark of 0.

Diploma Exam (2 hours) will consist of approximately 35 multiple choice questions and 15 numerical response questions.

Useful Alberta Ed Links

- Physics 30 Subject Bulletin
<http://education.alberta.ca/admin/testing/diplomaexams/exambulletins.aspx>
- Programs of Study
<http://education.alberta.ca/teachers/program/science/programs.aspx>
- Official rules for significant digits and rounding
<http://education.alberta.ca/admin/testing/diplomaexams/exambulletins/guidelines.aspx>
- Mathematics and Science Directing Words
<http://education.alberta.ca/admin/testing/diplomaexams/exambulletins/mathscience.aspx>