

# Physical Science 20 – Final Exam

## Exam Outline and Study Guide

January 2018

Ms. Hayduk

### **Part A: Exam Choice**

The final exam is split into three sections: Properties of Waves, Foundations of Chemistry and Heat. Each student must complete at least one section of the final exam, but may choose to complete two or all three.

Students that have the attendance incentive are still expected to complete one section; however, if the exam mark does not improve their grade, the mark will be exempt, as stated in the rules for the incentive.

Students need to inform Ms. Hayduk on the final school day for the exam which section(s) they intend to attempt for the final.

### **Part B: Exam Grading**

The exam grade will be divided by outcome, just like the tests for each unit. For example, there are two outcomes in the heat unit, so there will be two marks on that exam. The exam will be weighted equally to the unit test in each unit.

### **Part C: Exam Outline and Instructions**

Each exam section has the same structure:

- 20 multiple choice questions (theory and simple calculations)
- 30 marks for short answer questions (theory and more complex calculations)

Multiple choice will be marked using a program called ZipGrade, which works similar to a Scantron sheet. There are bubbles to fill in for each question. Please make sure you fill in the ZipGrade sheet when doing the multiple choice, and don't just circle the answers in the multiple-choice booklet.

The instructions on the front page of the exam are as follows:

1. There are XX pages in this exam section, including this page and the multiple-choice booklet. All pages must be handed in. If you are doing multiple sections, please ensure all booklets are handed in.
2. You are permitted to use the reference duotang provided by Ms. Hayduk.
3. You will have a maximum of three hours to complete this exam, and must complete at least one section. No time extension will be granted without previous approval. You must remain in the exam for one hour, even if you have finished.

4. This assessment is considered an assignment in the scope of the course. Students must complete this assignment in a satisfactory manner to retain the attendance incentive, if applicable.
5. You may use the following materials of your own: calculator, pen or pencil, eraser and ruler. Scrap paper will be provided for calculations. Rough work must be handed in with the exam.
6. Any behaviour that can be interpreted as cheating (use of cell phones, talking, sharing materials, looking at other students' work, etc.) will result in a mark of zero for the exam and may have further disciplinary consequences. This includes any time spent in the exam room after the exam has been submitted.

Also on the front page of the exam is a list of the outcomes being assessed and the mark breakdown by outcome.

### **Part D: Study Guidelines**

No exam review questions will be distributed for this exam. It is recommended that you make use of the following course materials to study for the exam:

- Class notes and examples
- Practice problems
- Labs and assignments
- Quizzes
- Unit tests

Another resource that may be useful is the class website (videos and links to relevant websites). If you intend to do the chemistry section of the final, a Chemistry: Matter and Change textbook from the library may be helpful.

When studying, try some of the following strategies:

- Make a “cheat sheet” that summarizes all the notes from the unit onto one side of a piece of paper. This forces you to remember the concepts learned in the unit, and identify what was important.
- Watch videos or read more on the topics you did not understand well the first time.
- Work with a friend – practice explaining topics to each other.
- Work with a friend – make quizzes for each other using questions from the course materials, or ones of your own design, then complete the quizzes and mark them.
- Redo the practice problems, quizzes, and unit tests. All the practice problems are available on the class website.
- When you are really stuck on a question or concept, come see Ms. Hayduk. Be sure to come with specific questions, or an idea of where you got lost.