

Grade 11- Applied Mathematics

- Course Outline



Swan Valley Regional Secondary School

Instructor: Ryan Maksymchuk

Location: SVRSS Room 204, North-East Hall, 2nd Floor

Textbook: "Foundations of Mathematics 11"; Nelson Publishers,
Canavan-McGrath et al, 2012, Nelson Education Ltd.

Resources: Many print and web-based resources will exist to inform students with respect to curriculum topics. Students are encouraged to attend class regularly to receive updated information as presented.

Required Materials: writing materials (including notebooks / looseleaf papers/binder storage), a graphing calculator, graphing paper (strongly encouraged)

Framework Reference (Government of Manitoba Web Document)

http://www.edu.gov.mb.ca/k12/cur/math/framework_9-12/grade11_applied.pdf

Topics of Study:

Proofs / Geometry

Trigonometry

Scaling (including 2D/3D)

Quadratic Functions

Systems of Inequalities

Research Project

Statistics

Course Assessment Weighting / Details:

All Summative Assessments:

10%	Rich Performance Tasks (assigned work, quizzes, etc.)
10%	Research Project
55%	Tests
25%	Final Examination (mandatory)

****Students will be given the opportunity to re-do one (1) summative assessment over the time of course delivery. Additional re-do opportunities only exist at the discretion of the instructor.**

Missing Tests:

Any student missing an important summative assessment like a test may be required to be assessed with an alternate and possibly more challenging assessment.

(Rationale: student has created an advantage by having more time to prepare and/or discuss assessment items). Missing an assessment with parental permission, illness, field trip, court appearance, etc. may still warrant an alternate assessment as per the discretion of the instructor.

Final Examination:

If a student's final exam mark is higher than their term mark, the final exam weighting will be considered at 100%. That is, if a student scores higher on the final exam than their term mark, the final exam score becomes their final course grade. This will NOT be considered in reverse (i.e. the final exam will hold a minimum respective weight as per the course outline).

Learning Behaviours:

Personal Management Skills, Active Participation in Learning and Social Responsibility are assessed during formal reporting times and are recorded on the report card.

Class Expectations/Beliefs:

It is expected that all members of the school community will uphold the underlying beliefs of the School code which include the following: Learning, Respect, Responsibility and Safety.

Students with a term average score of <50% prior to writing the Final Examination may be denied the opportunity to write it. Students who do not write the Final Examination cannot receive course credit.