

APPLIED MATHEMATICS 30

(September 2011)

INSTRUCTOR: Ms BA Wilkins

BASIC TEXT: Applied Math 30 Workbook & "THE KEY" (\$15)

AUXILIARY TEXTS: Applied Mathematics 12 (Addison Wesley), Student Source and Project Book

PREREQUISITE: 50% or higher in Applied Math 20 or 45% or higher in Pure Math 20

****Applied Math 30 is NOT a prerequisite for Pure Math 30****

CONTENT: The Applied Math 30 course emphasises the application and relevance of mathematics in daily life. Numerical and geometrical methods are used to solve problems. When doing investigations or data analysis, algebraic constructs are taught as needed. Tools such as graphing calculators and spreadsheet applications are commonly used to solve problems.

****As per the Alberta Education Program of Studies for Applied Math 30 (2002) (<http://www.education.gov.ab.ca/k12/curriculum/bySubject/>) , we will cover :**

TOPICS:	1. Probability	16%
	2. Statistics	9%
	3. Matrices and Pathways	9%
	4. Sinusoidal Data	9%
	5. Finance and Spreadsheet	17%
	6. Patterns and Fractals	9%
	7. Vectors	18%
	8. Design	13%

EVALUATION:	Assignments/Project	20%
	Quizzes	25%
	Unit Exams	45%
	Term Exam	10%

****This only comprises half your grade, the Diploma is worth 50%!****

EXPECTATIONS:

- 1. Students are expected to show up on time for all classes.**
- 2. Students are expected to have at all times, an approved TI - 83 type calculator, notebook, the key, and a pencil and pen.**
- 3. Students are expected to do all assignments, even work missed due to an absence.**
- 4. Students must be willing to learn and seek out help from others.**
- 5. Students must be able to work with other students and be analytical in order to succeed in this course.**

REMEMBER:

- MATH IS NOT A SPECTATOR SPORT, YOU LEARN BY PRACTISING!!**
- I CAN ONLY HELP WITH PROBLEMS I KNOW ABOUT!!**
- YES, THERE IS HOMEWORK IN THIS CLASS THAT MUST BE DONE ON A CONSISTENT BASIS, INORDER TO HAVE THE BEST CHANCE OF BEING SUCCESSFUL IN THIS COURSE!!**

GOOD LUCK THIS SEMESTER!!!

MATH DEPARTMENT
MISSED EXAM POLICY

School policy, as listed in the handbook, states the following:

- d) If a student misses any test (other than the final) or an assignment, the following procedure will apply:
- when the student returns, he shall produce a written communication by the parent explaining the reason for the absence.
 - if written validation is not supplied the student shall be assigned a zero on that exam, quiz or assignment.
 - if validation is supplied, the teacher shall use discretion as to whether the student should be allowed to write the exam (quiz) or do the assignment or, reassign the value of the exam (quiz) or assignment.

Clarifications:

- Written communication is expected the first day upon return of the student. It should include the date of absence, be signed and include a phone number to contact the parent.
- If the value of exam is being reassigned, it will be added to the midterm or final exam.
- Exam (quiz) rewrites are after school. The student is expected to adhere to these days immediately upon their return.

Rational:

- It is not fair to the other students that there is a delay in going over the exams. The exams cannot be taken up and discussed in class until everyone has written the exam.
- Students can expect the after school exams to be different from those given during class.

Thank you for your Cooperation!