

Applied Math 20 – Course Instructional Plan

Kate Andrews High School 2009 – 2010

TEACHER: Mr. B. Swen

TEXT: Applied Math 20 Workbook

CLASSES PER WEEK: 5

MINUTES PER CLASS: 86 (M – Th) / 70 (F)

MATERIALS: pencils, eraser, ruler, protractor, scientific-calculator

Applied Math 20 is an applications course. Students enrolled in Applied Math 20 must have successfully completed Applied Math 10 (or Pure Math 10). This course is intended for students who plan to pursue a post-secondary education in a field which is not directly related to mathematics (i.e., Arts, humanities, etc.). Students enrolled in the Applied 20 course are expected to complete the assigned homework and/or projects on time.

COURSE OUTLINE (These are tentative and subject to change):

Units	# of Classes	Dates
Pre-view	2	Feb. 1 – Feb. 3
1. Graphing	15	Feb. 2 – Mar. 2
2. Circle Geometry	10	Mar. 3 – Mar. 18
3. Measurement & Design	10	Mar. 19 – Apr. 1
4. Finance	16	Apr. 12 – May 3
5. Linear & Non-linear Systems	10	May 4 – May 17
6. Linear & Non-linear Inequalities	12	May 18 – Jun. 4
Review	8	Jun. 7 – Jun. 16

Students enrolled in Applied Math 20 are expected to complete the assigned homework and projects to prepare for the quizzes and exams. There will be approximately three projects throughout the semester.

ASSESSMENT:

Assignments/Projects	10%	
Quizzes	10%	(All quizzes are weighted equally)
Unit Exams	40%	(All exams are weighted equally)
Final Exam	40%	
	100%	

ALBERTA EDUCATION CALCULATOR POLICY:

The Pure and Applied Mathematics program requires that students use a graphing calculator throughout the course. In the past, the graphing calculator was optional when writing diploma exams, but beginning in the year 2000/2001, any student writing the Applied Mathematics 30 or the Pure Mathematics 30 Diploma Exam must have a graphing calculator from the approved list. It is strongly recommended that each student have an approved graphing calculator so that he/she can be successful in the course and on the future diploma exam(s). It is the student’s responsibility to learn how to use the calculator. The following graphing calculators are approved by Alberta Education:

- Texas Instrument: TI-83, **TI-83 Plus****, TI-83 Plus Silver, **TI-84 Plus****, TI-86, TI-89, TI-92, TI-92 Plus, TI Voyage 200
- Sharp: EL-9600, EL-9600C
- Casio: FX-9750 G Plus

**** Strongly Recommended**

APPEAL PROCEDURES: Refer to the 2009-2010 School Handbook.

Teacher’s Signature

Administrator’s Signature

Date