

KEYANO COLLEGE FORT CHIPEWYAN
ACADEMIC FOUNDATION INTERMEDIATE Level
FALL 2014 Room FC-113 Lecture F
AFM 007F INTERMEDIATE MATH

Instructor: Maureen Clarke

Office Hours: Monday 3:00 – 3:50
 Tuesday 3:00 – 3:50
 Wednesday 3:00 – 3:50
 Thursday 3:00 – 3:50
 Friday 9:00 – 9:50

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Course Hours: Monday 9:00 – 9:50 10:00 – 10:50
 Tuesday 9:00 – 9:50 10:00 – 10:50
 Wednesday 9:00 – 9:50 10:00 – 10:50
 Thursday 9:00 – 9:50 10:00 – 10:50

Hours of Instruction: 8 50-minutes classes per week

Length of Course: 16 weeks Sept 2 – Dec 12

Prerequisite: Pass in AFM 006

Text: Basic College Mathematics with Early Integers:
 Pearson Education, Inc., Toronto
 ISBN: 13-978-0-321-61341-7

Credits: 6

Course Description:

AFM 007 will apply a review of whole numbers, fractions, and decimals to all operations (addition, subtraction, multiplication, division) on integers, signed fractions, and signed decimals, including the order of operations. Students will apply their number sense to the solving of ratio, proportion and percent applications as well as the interpretation of data presented in various charts or graphs. Algebra will be explored through the solving of one step linear equations. Perimeter and area of two dimensional shapes will be explored and applied to the volume of three dimensional figures, with a focus on circles and triangles.

Course Outcomes:

Upon successful completion of AFM 007, students will be able to

- understand and apply mathematical rules appropriately
- comprehend and correctly use terminology associated with course topics
- add, subtract, multiply and divide integers with and without a calculator
- add, subtract, multiply and divide signed fraction with and without a calculator
- add, subtract, multiply and divide signed decimals with and without a calculator
- solve ratio problems
- solve percent problems
- interpret charts and graphs
- solve one-step linear equations
- calculate perimeter and area of two dimensional shapes
- calculate volume of three dimensional shapes, including circles and triangles
- utilize a problem solving model to generate a set of ordered steps to solve problems
- organize written work effectively to facilitate problem solving
- relate learned mathematical rules and skills to new concepts

Course Content and Proposed Schedule:

Chapter 1: Whole Numbers	Sept 3 - 12
Chapter 2: Integers	Sept 15 - 26
Chapter 3: Fraction Notation: Multiplication and Division	Sept 29 – Oct 3
Chapter 4: Fraction Notation and Mixed Numerals	Oct 6 - 15
Chapter 5: Decimal Notation	Oct 16 - 22

Midterm Exam

Chapter 6: Ratio and Proportion	Oct 23 - 30
Chapter 7: Percent Notation	Oct 31 – Nov 10
Chapter 8: Data, Graphs, and Statistics	Nov 12 - 18
Chapter 9 Measurement	Nov 19 - 24
Chapter 10: Geometry	Nov 25 – Dec 1
Chapter 11: Algebra: Solving Equations and Problems	Dec 2 - 9
Review:	Dec 10 - 11

Final Exam: TBA

EVALUATION:

Attendance	5%
Assignments	30%
Tests and Quizzes	15%
Midterm	25%
Final Exam	25%
Total	100%

GRADE POINT:

Descriptor	Alpha Grade	4.0 Scale	Percentage
Excellent	A+	4.0	91 – 100
	A	3.8	85 – 90
	A-	3.7	80 – 84
Good	B+	2.7	76 – 79
	B	3.0	73 – 75
	B-	2.7	70 – 72
Satisfactory	C+	2.3	67 – 69

	C	2.0	64 – 66
PROGRESSION PASS	C-	1.7	60 – 63
Poor	D+	1.3	57 – 59
Minimum Pass	D	1.0	50 – 56
Failure	F	0.0	0 – 49

Overall Expectations:

Please turn off cell phones, MP3 players and any other electronic devices before coming to class.

Assignments: Assignments must be dated and submitted to the instructor no later than 4:00 pm on the day on which the assignment is due. Late assignments will be accepted but a penalty of 2% per date to a maximum of 10% will be deducted from the assignment mark. Exemptions for assignments may be granted in exceptional circumstances beyond the control of the student. A 5% bonus mark will be given to all assignments that are turned in on time.

Punctuality: Punctuality is important. Students are expected to be ready to begin work when the class is scheduled to begin. Therefore, students are encouraged to arrive at class a minute or two early so that they may organize their working materials by starting time. Late arrival is detrimental to the student and inconsiderate of the instructor and other students. Arrival in good time is associated with success and is considerate of the instructor and other students.

Attendance: Students are expected to attend all classes. Should a student miss a class for any reason, it is his/her responsibility to cover the work missed and be ready for the next class.

If you want to be assured of success in this course, the following three things will most often grant that to you.

1. Attend every day and get involved in the class. When you can't attend, cover the work done anyway.
2. Ask a question when you do not understand the work and keep asking until you get an explanation you can understand. Feel free to ask for help from the Skill Center, your peers and the instructor. Remember that the Skill Center is for "support", not to "teach" you course content due to lack of attendance.
3. Do all of the daily work given or give it your very best effort and get help with the parts you are unable to complete.

STUDENTS RIGHTS AND RESPONSIBILITIES

Students should be aware of their rights and responsibilities as laid out in the Keyano College Credit Calendar 2014 – 2015. The calendar may be found online or a paper copy may be available in the office to read.

COUNSELLING AND DISABILITY SERVICES

Counselling Services provides a wide range of specialized counselling services to prospective and registered students, including personal, career, and academic counselling.

Disability Services provides educational services to students with disabilities.

Both Counselling and Disability Services are located in CC167.

HAVE A GREAT SEMESTER!

Important Dates
Fall 2014

Orientation Day	September 2
First Day of Class	September 3
Last day to ADD Courses	September 9
Tuition is due (\$100 late fee charged after this date)	September 9
Last day to DROP Courses with full refund (\$100 deposit is non-refundable)	September 16
Last day to WAIVE SAKC health and dental plan or add family	September 16
Last day to submit Keyano College Fall Awards Applications	September 30
Last day to WITHDRAW with a refund (50%)	October 10
Last day to WITHDRAW (Grade of W)	November 26

Authorizations

The course outline for **AFM 007F - Fall 2014** has been authorized by the following individuals:

Maureen Clarke (Course Instructor)

Lisa Turner (Chair)

Guy Harmer (Dean)

Course Outline Effective Date: September 3, 2014