Course Outline

ACADEMIC FOUNDATIONS

AFM 006F
ENTRY MATH
Fall, 2012

6 CREDITS
8 HOURS PER WEEK

_____________________________   _____________________________
Marion Gariepy, Instructor   Date

Reviewed and approved by:

_____________________________   _____________________________
Margo Vermillion, Chair   Date

_____________________________   _____________________________
Guy Harmer, Dean   Date
Instructor Information

Marion Gariepy
780-697-3767
Text only: 780-370-5005
marion.gariepy@keyano.ca

Office Hours: Monday to Wednesday 3:00-4:00 pm. Or by appointment

Course Description

AFM 006 will cover all four operations (addition, subtraction, multiplication, division) on whole numbers, fractions and decimals including order of operations. An introduction to the language of algebra and the solving of one step linear equations, calculating the perimeter and area of basic polygons and the interpretation of graphed data will be explored.
Pre-requisites: none  Co-requisites: none Credits: 6.00
Credit Type: Pass / Fail
Duration: September 5th to December 13th, 2012
Class Schedule: Room 111, Monday to Thursday

Teaching and Learning Methodologies

Instruction will be individual and small group, with emphasis on independent and computer-assisted learning.

Required Resources

☐ Loose-leaf lined paper
☐ Binder
☐ Pencils (mechanical pencils recommended)
☐ Eraser
☐ Calculator

Textbook: *Stepping It Up - Preparing for College Math* (Pearson Canada) will be available on loan from the college
Course Outcomes

Upon completion of AFM006, the successful student will:

- Understand that mathematics is a language that simplifies quantitative work
- Demonstrate confidence in the performance of basic mathematical operations
- Comprehend and correctly use terminology associated with course topics
- Understand and apply mathematical rules appropriately
- Apply order of operations to solve expressions
- With and without a calculator, demonstrate the ability to:
  - add, subtract, multiply and divide whole numbers
  - add, subtract, multiply and divide fractions
  - add, subtract, multiply and divide decimals
  - calculate perimeter and area of basic polygons
  - solve one-step linear equations
- Utilize a problem-solving model to generate a set of ordered steps to solve problems
- Organize written work effectively to facilitate problem-solving
- Interpret graph data
- Relate learned mathematical rules and skills to new concepts

Evaluation

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Tests and assignments</td>
<td>50%</td>
</tr>
<tr>
<td>Mid-Term Exam</td>
<td>15%</td>
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<tr>
<td>Participation</td>
<td>15%</td>
</tr>
<tr>
<td>Final Examination</td>
<td>20%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
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</tbody>
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Keyano College Academic Regulations

Academic regulations regarding examinations, transfers, grades, policies, student rights and responsibilities, financial aid and awards can be found in the printed Keyano College calendar or online. Go to Keyano.ca→current student→academic: registration info→academic calendar/credit calendar→academic regulations, or to: http://keyano.ca/sites/default/files/a_files/calendars/academic%20regulations%20-%20credit%20calendar.pdf
Important Dates

September 3 Monday College closed (Labour Day)
September 4 Tuesday Orientation Day
September 5 Wed Fall semester begins for academic programs
September 11 Tuesday Last day to add courses. Fall semester fees due
September 12 Wed Fall late fee applied
September 18 Tuesday Last day to drop courses or waive Health and Dental
September 21 Friday Fall Awards application deadline
October 8 Monday College closed (Thanksgiving Day)
October 12 Friday Last day to withdraw with a 50% refund
October 26 Friday Last day to withdraw without academic penalty
November 12 Monday No classes (holiday in place of Remembrance Day)
December 13 Thursday Last day of classes for Academic Upgrading
December 14-19 Final Exams for Academic Upgrading
December 21 Friday End of fall semester for academic programs
December 25–31 College closed (Christmas Break)

The above dates can be found in the printed Keyano College calendar and online. Go to: Keyano.ca→current student→academic: registration info→academic calendar/credit calendar→introduction

Performance Requirements

Cell Phone Use
Keyano Fort Chip is implementing a campus-wide policy requiring cell phones to be turned off during classes. If you have questions or concerns, please speak to the Chair (Margo).

Student Attendance
The most important things students can do to succeed are to attend every class and participate actively. Class attendance maximizes a student’s learning experience. Attending class is a good way to keep informed of matters relating the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course. Please refer to pages 32 to 36 of the Credit Calendar.

Student Preparation
Attendance It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and/or notes that may be due.
**Academic Misconduct (pages 33-34 of the Credit Calendar)**

Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

* Plagiarism or the submission of another person’s work as one’s own
* The use of unauthorized aids in assignments or examinations
* Unauthorized collaboration with others in preparing work
* The deliberate misrepresentation of qualifications
* The willful distortion of results or data
* Substitution in an examination by another person

Penalties for academic offences may range from a verbal reprimand to dismissal from the College, and in certain circumstances may involve legal action.

**Accommodation for Students with Disabilities**

The College will provide reasonable accommodation to students with disabilities in order to promote academic success. If you require accommodation, contact the Learner Assistance Program (LAP) Office at 780-792-5608 or speak to an instructor or the director.

**Course Schedule**

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Study Skills</th>
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<tbody>
<tr>
<td>Week 2, 3, 4</td>
<td>Whole Numbers</td>
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<tr>
<td>Week 5, 6, 7</td>
<td>Fractions</td>
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<td>Week 8</td>
<td>Mid-term Review and Exam</td>
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<td>Week 9, 10, 11</td>
<td>Decimals</td>
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<td>Week 12</td>
<td>Statistics</td>
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<td>Week 13 &amp;14</td>
<td>Measurement</td>
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<td>Week 15</td>
<td>Review</td>
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**Course Website**

Students can access the AFM006F course website on iLearn. From the Keyano main page, click on Current Students, mouse over the Information Resources tab and in the dropdown list, click iLearn. This will take you to a log-in page (you will need your Keyano ID and password to log in). Once you are logged in, you will see a list of courses you are register in. Click on AFM006F to go to the course website.

**MathXL website**

MathXL is a website we will be working in throughout the course. Some homework assignments and tests will be done on MathXL. You will receive a link and access code with your textbook.