AFM 006F ENTRY MATHEMATICS

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

Instructor Aide: Jackie Ladouceur
780-697-3767 (college)
780-697-3123 (home)
jackie.ladouceur@keyano.ca

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 4th to December 12th
Location: Fort Chipewyan Campus Room 111
Class Schedule: Monday to Thursday 9:00 to 10:50 am.

Teaching and Learning Methodologies

Instruction will be individual and small group. Self-paced progress will allow for content mastery.

Required Resources

☐ Loose-leaf lined paper and Binder
☐ Pencils (mechanical pencils recommended) and eraser
Textbook and workbooks will be available on loan from 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

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<tbody>
<tr>
<td>Tests and assignments</td>
<td>50%</td>
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<tr>
<td>Mid-Term Exam</td>
<td>15%</td>
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<td>Participation</td>
<td>15%</td>
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<td>Final Examination</td>
<td>20%</td>
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<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
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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 on the Keyano website
### Important Dates

- **September 2** Monday  College closed (Labour Day)
- **September 3** Tuesday  Orientation Day
- **September 4** Wednesday  Fall semester begins for academic programs
- **September 10** Tuesday  Last day to add for academic programs  Fall semester fees due
- **September 11** Wednesday  Fall late fee applied
- **September 17** Tuesday  Last day to drop for academic programs  Last day to waive Health and Dental
- **September 20** Friday  Fall Awards application deadline
- **September 27** Friday  Deadline to apply for Cooperative Education for first work term
- **October 11** Friday  Last day to withdraw with a 50% refund
- **October 14** Monday  College closed (Thanksgiving Day)
- **October 25** Friday  Last day to withdraw without academic penalty
- **October 30** Wednesday  Last day to withdraw from Co-operative Education for first work term
- **November 5** Tuesday  Fall Awards Celebration
- **November 11** Monday  No classes (Remembrance Day)
- **December 6** Friday  Last day of classes for Certificate, Diploma, and University programs
- **December 9-18** Final Exams for Certificate, Diploma, and University programs
- **December 12** Thursday  Last day of classes for Academic Upgrading and Childhood Studies
- **December 13-18** Final Exams for Academic Upgrading
- **December 20** 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 or on the Keyano website.

### Performance Requirements

#### Cell Phone Use

Keyano Fort Chip is implementing a campus-wide policy requiring cell phones to be turned off during classes.

#### 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

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<thead>
<tr>
<th>Weeks 1-3</th>
<th>Whole Numbers</th>
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<tbody>
<tr>
<td>Week 4-6</td>
<td>Fractions</td>
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<tr>
<td>Week 7-8</td>
<td>Decimals and Midterm Exam</td>
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<td>Week 9-11</td>
<td>Measurement</td>
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<td>Week 12</td>
<td>Statistics</td>
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<td>Week 13</td>
<td>Intro to Algebra</td>
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<td>Week 14</td>
<td>Review and Practice Exam</td>
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