Albertus Magnus College
Course Syllabus

Course Code and Title: MA 100 Introduction to College Math

Course Description: This course will teach students the skills necessary for further study in most disciplines and includes the algebra necessary for the next level of mathematics courses. Students will be encouraged to reason mathematically, so that they can enhance their abilities to learn mathematics.

PROGRAM AND COURSE OFFERING INFORMATION

Program: General Education

Session (Mod or Semester):   Mod 3, 2021

Delivery method: Flex Option (Students may choose between blended or online formats. Students must register for the correct section of the course).

Class Meetings: Blended Option: Tuesdays 5:30 p.m. to 7:50 p.m (synchronous), Online assignments due Saturdays and Sundays by 11:55 p.m.

Online Option: Online assignments due on Tuesdays, Saturdays, & Sundays by 11:55 p.m.

Number of Credits: 3

Textbook: Beginning Algebra Early Graphing, 4th edition, Tobey, Slater, Blair, Crawford
ISBN-13: 9780134178974, ISBN-10: 0134178971

INSTRUCTOR INFORMATION

Name: Jennifer Snow

College Email: jmsnow@albertus.edu

Contact (phone): (203) 773- 0274

Office Hours: By appointmnet only

COURSE POLICIES

Tradition of Honor: As a member of the Albertus Magnus College Community, each student taking this course agrees to uphold the principles of honor set forth by this community, to defend these principles against abuse or misuse, and to abide by the regulations of the College. To this end, every student must write and sign the following statement at the end of each examination*: "I declare the Honor Pledge."*

Intellectual Honesty: Plagiarism is a serious offense against academic integrity and intellectual honesty. In completing written assignments, the student must work independently unless the class instructor indicates otherwise. It is important for students to understand that they must reference the sources for all direct quotes, for the rephrasing of information from an outside source, and for ideas borrowed from readings. Students will be required to use APA format when referencing sources. Failure to cite appropriate references in any of these instances results in an act of plagiarism, intentional or unintentional. If it has been determined that a student plagiarized a written assignment, the student may be dismissed from the program. The instructor will report instances of plagiarism to the college administration.

Appropriate Classroom Conduct: Students are expected to show a respect for order, the rights of others, and to exemplify a sense of honor and integrity in the classroom. Student conduct is considered an integral part of the educational process. Therefore, no student should be denied the right to learn as a direct result of disruptions in the classroom. Active learning, open inquiry, and the free expression of informed opinion are the foundations of a liberal education at Albertus Magnus College. However, student behavior that interferes with an instructor's ability to conduct the class is prohibited. Students are expected to be considerate and respectful of the rights, views, and interests of other students and faculty. The faculty member will take appropriate action if students do not abide by these rules.

Accommodations for Special Needs: Please advise the instructor of any special problems or needs at the beginning of the semester. Those students seeking reasonable accommodations based on disabilities should contact the Director of Academic and Student Disability Services, Aquinas Hall, Room 114 at (203) 672-1050, or email asejdic@albertus.edu, to obtain a Faculty Accommodation Letter. Albertus Magnus College complies with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act.

In order to respect the independence, rights and dignity of students with disabilities, the College initiates services only after a student makes a voluntary disclosure of a disability to the Office of Academic and Student Disability Services. Students who are approved for accommodations are responsible for approaching instructors in a timely manner to provide faculty accommodation letters and to arrange how accommodations will be implemented. Accommodations cannot be retroactive, so we strongly advise students to make accommodation appointments as soon as possible.

In providing reasonable accommodations, the College shall not fundamentally alter the nature of programs, services, or activities; require waiver of essential academic standards or violate accreditation requirements.

Blended and Online Course Etiquette: This course involves use of the Albertus eLearning system online. It is important to maintain appropriate professional interactions with your classmates and Instructor in the online environment. Please click the following link to review the Albertus policies regarding proper etiquette for interaction in all blended and online course work: Link to Albertus' Netiquette Guide

Withdrawing from a Course: It is the responsibility of the student to officially drop or withdraw from a course. However, failure to attend a course for 14 calendar days may result in an administrative withdrawal from the course. The policies on course withdrawals and administrative withdrawals may be found online at
http://www.albertus.edu/policy-reports/academic-policies-regulations-eug#apgr

Albertus Magnus College Definition of a Credit Hour: Albertus Magnus College adheres to the definition of a credit hour as defined by Federal Regulation 34CFR600.2 as passed by the U.S. Department of Education, Office of Postsecondary Education. The College's definition of a credit hour is as follows:

- A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that reasonably approximates not less than –
  (1) One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or
  (2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the College including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours. *[from: eLearning site, "Faculty Resources."]*

COURSE GRADING AND ATTENDANCE POLICIES

Attendance Policy: Students are expected to attend all class sessions and must complete all course requirements as assigned. All courses are treated as having two sessions per week and attendance will be taken for all "sessions". There are strict penalties for missing either an on-ground class or the blended portion of the class. These penalties are "no fault" penalties. In other words, it doesn't matter why you missed the class; the penalties apply no matter how legitimate or frivolous the reasons for your absence. If you do not post your online "main assignment" by the assigned date and time, you will be marked as "Absent" from that "class." That absence is equivalent to an absence from an on-ground class.

You may miss one class session without penalty to your attendance. If you miss two classes, whether online or on-ground, your course grade will automatically be penalized ½ a course grade. If you miss three classes, your course grade will automatically be penalized one full grade. If you miss four classes, your course grade will be penalized two full grades. If you miss five or more classes, you will not be able to pass the course.

Class Cancellations: When classes are cancelled due to inclement weather or another emergency, the instructor will make arrangements to cover the material missed during this class session. This may be done through email, an assignment submitted through eLearning, or with an additional on-ground session. It will be up to the instructor's discretion to determine how this will be handled.

Instructor Expectations Regarding Assignment Due Dates: In addition to the attendance policies above, there will be late penalties for any assignments that are not submitted by the assigned date and time. Assignments not posted by the designated time will be reduced one letter grade if they are completed within one week. If the assignment is submitted more than one week late, it will no longer be accepted and you will receive a Zero for that assignment.

Instructor Feedback: Feedback on all assignments will be provided on a timely basis. Assignments will be graded within one week of the due date. The online grade book in eLearning will be used so that students can access their up-to-date grade at any point in the course.

Use of Blended/Online Format: This course is being offered in a blended or optional online format. The blended format meets twice weekly, once online in a synchronous delivery format and once online in an asynchronous format. The blended format enables you to be a part of classroom using BlueJeans with face-to-face online synchronous meetings with peers and the instructor. The online asynchronous format allows one to reflect carefully on the readings, questions, and assignments that are posted in eLearning. However, the online mode allows for greater student flexibility, as it is an

asynchronous delivery format. Students will have additional assignments in the online mode to make up for the missed classroom time.

Grading Policy and Methods of Assessment:

Blended Students:

Gradebook:	Score or Percentage of Grade
Tests (three)	60% (your lowest test grade with be dropped)
Homework	15%
In Class Assignments, Participation, and Attendance	10%
Quizzes (three)	15 % (your lowest quiz grade will be dropped)

Online Students:

Gradebook:	Score or Percentage of Grade
Tests (three)	60% (your lowest test grade with be dropped)
Homework	15%
Online Assignments, Participation, and Attendance	10%
Quizzes (three)	15 % (your lowest quiz grade will be dropped)

Grade Equivalencies:

Letter grades are based on suggested numerical equivalents as follows:

Letter Grade	Percentage
A	94–100
A–	90–93
B+	87–89
B	84–86
B–	80–83
C+	77–79
C	74–76
C–	70–73
D+	67–69
D	60–66
F (Failure)	00–59

COURSE OBJECTIVES AND LEARNING OUTCOMES

Course Objectives:

By the completion of this course, each student will be able to:

- Develop and use quantitative reasoning

- Use mathematical information in a logical and critical manner

- Apply mathematics to real world situations

Learning Outcomes:

By completion of this course, each student should know/demonstrate:

- The ability to solve linear equations and inequalities

- The ability to graph linear functions

- The ability to find the equation of a linear function

- How to solve systems of equations

- Be able to add, subtract, multiply and divide polynomials

- Demonstrate the ability to factor polynomials and solve quadratics by factoring

WEEKLY SCHEDULE

Week One

Topic: Real Numbers

Learning Objective(s):
- Adding Real Numbers
- Subtracting Real Numbers
- Multiplying and Diving Real Numbers

Reading Assignment(s):
- Read Course Syllabus and review eLearning
- Textbook: Read Sections 1.1 – 1.3

In-Class Agenda
- Review the Course Syllabus and eLearning
- Discuss Sections 1.1 – 1.3

Description of Homework Assignment(s):
        Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 1.1, 1.2, and 1.3 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 1.1 are due by Saturday,**
    In your textbook these are on pages 73 - 74 and are problems 1, 2, 3, 4, 5, 17, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 51, 54, 60

- **Exercises for Section 1.2 are due by Saturday,**
  In your textbook these are on page 79 and are problems 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42
- **Exercises for Section 1.3 are due by Saturday,**
  In your textbook these are on pages 88 - 89 and are problems 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 45, 48, 51, 54

Week Two

Topic: Variables

Learning Objective(s):
- Exponents
- The Order of Operations
- Using the Distributive Property to Simplify Algebraic Expressions

Reading Assignment(s): Textbook: Read Sections 1.4 – 1.6

In-Class Agenda: Discuss Sections 1.4 – 1.6

Description of Homework Assignment(s):
   Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 1.4, 1.5, and 1.6 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 1.4 are due by Saturday,**
  In your textbook these are on pages 94 - 95 and are problems 9, 14, 17, 22, 24, 28, 29, 34, 39, 41, 44
- **Exercises for Section 1.5 are due by Saturday,**
  In your textbook, these are on pages 98 - 99 and are problems 7, 13, 16, 18, 24, 32.
- **Exercises for Section 1.6 are due by Saturday,**
  In your textbook, these are on pages 104 - 105 and are problems 8, 10, 12, 13, 18, 27, 31, 33, 41.
- **Quiz 1: Sections 1.1 – 1.6:** This quiz needs to be completed by **Sunday,**

Week Three

Topic: Variables

Learning Objective(s):
- Combing Like Terms
- Using Substitution to Evaluate Algebraic Expressions and Formulas
- Grouping Symbols

Reading Assignment(s): Textbook: Read Sections 1.7 – 1.9

In-Class Agenda: Discuss Sections 1.7– 1.9

Description of Homework Assignment(s):
Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 1.7, 1.8, and 1.9 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 1.7 are due by Saturday,**
  In your textbook these are on pages 109 - 110 and are problems 9, 10, 13, 20, 24, 26, 29, 34, 40
- **Exercises for Section 1.8 are due by Saturday,**
  In your textbook these are on page 115 and are problems 7, 10, 16, 22, 35, 40
- **Exercises for Section 1.9 are due by Saturday,**
  In your textbook these are on page 120 and are problems 5, 8, 11, 14, 16
- **Test 1: Chapter 1:** This test needs to be completed by **Sunday,**

Week Four

Topic: Equations
Learning Objective(s):
- The Addition Principle of Equality
- The Multiplication Principle of Equality
- Using the Addition and Multiplication Principles Together

Reading Assignment(s): Textbook: Read Sections 2.1 – 2.3

In-Class Agenda: Discuss Sections 2.1 – 2.3

Description of Homework Assignment(s):
Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 2.1, 2.2, and 2.3 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 2.1 are due by Saturday,**
  In your textbook these are on pages 135 - 136 and are problems 7, 14, 18, 21, 26, 27, 31, 36, 41
- **Exercises for Section 2.2 are due by Saturday,**
  In your textbook these are on pages 141 - 142 and are problems 5, 8, 12, 16, 17, 19, 24, 27, 39, 40, 42, 50
- **Exercises for Section 2.3 are due by Saturday,**
  In your textbook these are on pages 147 - 148 and are problems 3, 8, 11, 20, 26, 29, 34, 42, 45, 50
- **Quiz 2: 2.1 – 2.3:** This quiz needs to be completed by **Sunday,**

Week Five

Topic: Equations, Inequalities, Applications

Learning Objective(s):
- Solving Equations with Fractions
- Solving Inequalities in One Variable

Reading Assignment(s): Textbook: Read Sections 2.4 and 2.8

In-Class Agenda: Discuss Sections 2.4 and 2.8

Description of Homework Assignment(s):
> Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 2.4 and 2.8 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 2.4 are due by Saturday,**
  In your textbook these are on page 154 and are problems 3, 8, 12, 23, 26
- **Exercises for Section 2.8 are due by Saturday,**
  In your textbook these are on pages 189 - 191 and are problems 5, 10, 14, 18, 23, 28, 51, 58, 63
- **Test 2: Chapter 2:** This test needs to be completed by **Sunday,**

Week Six

Topic: Graphing

Learning Objective(s):
- The Rectangular Coordinate System
- Graphing Linear Equations

Reading Assignment(s): Textbook: Read Sections 3.1 – 3.2

In-Class Agenda: Discuss Sections 3.1 – 3.2

Description of Homework Assignment(s):
> Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 3.1 and 3.2 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 3.1 are due by Saturday,**
  In your textbook these are on pages 211 - 214 and are problems 7, 12, 17, 18, 23, 26, 32, 39, 40
- **Exercises for Section 3.2 are due by Saturday,**
  In your textbook these are on pages 222 - 223 and are problems 5, 10, 12, 15, 17, 20, 22, 28

Week Seven

Date(s): February 23 – March 1

Topic: Slope and Equations

Learning Objective(s):
- The Slope of a Line
- Writing the Equation of a Line

Reading Assignment(s): Textbook: Read Sections 3.3 – 3.4

In-Class Agenda: Discuss Sections 3.3 – 3.4

Description of Homework Assignment(s):
    Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 3.3 and 3.4 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 3.3 are due by Saturday,**
  In your textbook these are on pages 235 - 236 and are problems 3, 8, 10, 12, 17, 20, 31, 34, 40, 43, 46
- **Exercises for Section 3.4 are due by Saturday,**
  In your textbook these are on page 241 and are problems 3, 6, 9, 14, 18, 21, 24
- **Quiz 3: 3.1 – 3.4:** This quiz needs to be completed by **Sunday,**

Week Eight

Topic: Functions and Systems of Equations
Learning Objective(s):
- Functions
- Solving a System of Equation in Two Variables by Graphing

Reading Assignment(s):   Textbook: Read Sections 3.6 – 4.1

In-Class Agenda: Discuss Sections 3.6 – 4.1

Description of Homework Assignment(s):
    Due Date(s) and Time(s):

Online Students Only
- **Tuesday Online Assignment and Class Participation for Sections 3.6 and 4.1 are due by Tuesday,**

All Students (Blended and Online)
- **Exercises for Section 3.6 are due by Saturday,**

In your textbook these are on pages 255 – 257 and are problems 7, 12, 15, 17, 22, 33, 34, 39, 41
- **Exercises for Section 4.1 are due by Saturday,**
  In your textbook these are on page 278 and are problems 7, 9
- **Test 3: Chapters 3 and 4:** This test needs to be completed by **Saturday,**

*Note: *Changes in assignments or activities may be made to this syllabus, however, course objectives will remain the same.*