



MATH 103 - College Algebra

4 credits

Instructor: Tracy Chisholm

Course Description: This course covers the following topics:

- Linear and Quadratic Equations
- Radicals
- Exponents and Logarithms
- Rational Expressions
- Systems of Linear Equations
- Functional Notation
- Graphing Functions

Prerequisite: MATH 102 Intermediate Algebra, ASC 93 Algebra Prep III, placement by math placement test or instructor approval.

Course Objectives: The student will be introduced to the topics above which require certain techniques for solutions. We will develop ideas and methods for applying these techniques leading to a solution or resolution of the question. During the course the student will be exposed to the use and application of the graphics calculator in the appropriate areas.

Class Schedule: MTWF 7:40am - 8:30am

Monday	Tuesday	Wednesday	Thursday	Friday
Thatcher 2212	Thatcher 2212	Thatcher 2212		Thatcher 2212
7:40am-8:30am	7:40am-8:30am	7:40am-8:30am		7:40am-8:30am

Instructor: Tracy Chisholm

Office: Nelson Science Center, Room 112

Phone: (701) 228-5424

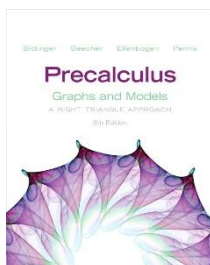
E-mail: tracy.chisholm@dakotacollege.edu

Office Hours: Mon-Wed, Fri 2-3pm and Thursday 9-11am or by appointment

Tentative Course Outline:

Chapter	Topics	Dates
Chapter R Sections R.1-R.8	Basic Concepts of Algebra	Weeks 1-3
Chapter 1 Sections 1.1-1.6	Graphs, Functions, and Models	Weeks 4-5
Chapter 9 Sections 9.1 & 9.3	Systems of Equations & Inequalities	Week 6
Chapter 2 Sections 2.1-2.6	More on Functions	Weeks 7-9
Chapter 3 Sections 3.1-3.5	Quadratic Functions and Equations; Inequalities	Weeks 10-11
Chapter 4 Sections 4.1-4.6	Polynomial Functions and Rational Functions	Weeks 12-14
Chapter 5 Sections 5.1-5.6	Exponential Functions and Logarithmic Functions	Weeks 15-16

Required Text: *Precalculus Graphs and Models 5th Edition* by Bittinger, Beecher, Ellenbogen and Penna with MyMathLab online learning software. Pearson Publishing.



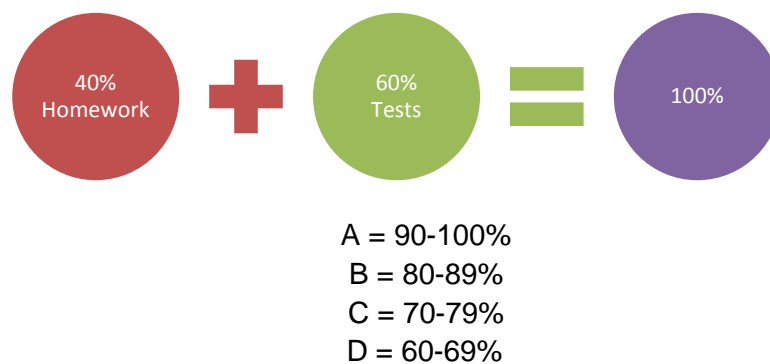
MyMathLab Learning Software Website: www.mymathlab.com

Course Requirements:

The sequential nature of mathematics deems it necessary for students to attend class on a regular basis, therefore one of the course requirements is regular attendance. Learning algebra is an investment of time. Algebra is learned best by practice, reflect, and practice some more. Understanding the examples provided by the instructor and textbook is a good first step. However, to truly know the material, you should be able to look at a problem, know how to proceed, and carry out the steps **WITHOUT ASSISTANCE**. The independent practice and graded homework provide opportunities for you to get to that point. Passing grades on quizzes and tests demonstrate that you have indeed learned the skills taught.

Homework Assignments: These are graded assignments that can be done multiple times. Only the highest score will be used. These assignments close at 11:59 PM, Central Daylight Time on the night before the corresponding chapter test. Do the work well in advance. If the assignment is done after the posted due date, 30% will be deducted from your score.

Tests: Six graded tests are administered over the semester. Students are allowed one attempt on each test and must be completed in one sitting. If a student leaves the classroom during a test, the test will be collected and graded. Tests must be taken on the day they are given or previous arrangements must be made prior to the test day. **If you miss an exam you must contact me within 24 hours of the missed exam to arrange for a time to make up the exam. Exams must be made up within 72 hours of the original exam time. If you do not contact me within 24 hours, a grade of 0 will be entered for the exam that was missed. Students are only allowed to make up ONE exam per course. The exam grade will be docked 10% per day for late points. *Cheating on tests will not be tolerated. If you are caught cheating, that will result in an automatic 0 for the exam.***



Classroom Policies:

- Respect is to be shown towards the instructor and fellow students in the classroom.
- Attendance and participation is expected. You are responsible for the activities of each class period. If you know of a conflict ahead of time, you are welcome to submit assignments early.
- Show up to class on time and be prepared (pencil, notebook, calculator, etc).
- Learning activities and evaluation will occur in the MyMathLab learning system and requires Internet connectivity.
- **Electronic Devices:** Silence cellular phones, pagers, CD players, radios, and similar devices in the classroom and laboratory facilities. If this is an IVN course, cell phone must be turned off at all times in class! I will not tolerate texting, playing games, watching videos or anything else that is disruptive to the class and others around you. You will be asked once to put the phone away, if asked again you will be asked to leave. (If you are expecting an important phone call, please inform me before class.)
- **Do NOT wear headphones during class or tests. They are not allowed.**
- The syllabus is a living document that is subject to change. All assignments will be confirmed during the class prior to their due date. The instructor reserves the right to allow the class agenda to fluctuate as the course progresses.

Student Email Policy: Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

General Education Goals/Objectives:

- Goal 2: Demonstrates knowledge and application of technology.
 - Objective 2: Uses electronic resources for course related assignments and information
 - Skill 1: Selects appropriate program on the graphing calculator to solve problems
- Goal 3: Demonstrates the ability to convert, calculate, and analyze a variety of mathematical problems
 - Objective 1: Utilizes mathematical equations to solve problems
 - Skill1: Solves equations and problems using the appropriate method
 - Objective 2: Applies practical application of mathematics to everyday life
 - Skill3: Solves word problems

Relationship to Campus Theme: The student will use the graphing calculator to model application problems in nature, economics, science, psychology, etc. Communication with others will be emphasized.

Classroom Policies: Please refrain from any behavior that would disrupt the class. Cell phones can only be used in emergency situations and they must be turned to vibrate. The academic environment is an open and harassment free environment. Participation is encouraged.

- Regular participation is expected.
- Learning activities and evaluation will occur in the MyMathLab learning system and requires Internet connectivity.

Academic Integrity: The academic community is operated on the basis of honesty, integrity and fair play. It is the expectation that all students, as members of the college community, adhere to the highest levels of academic integrity. This means that:

- Students are responsible for submitting their own work. Student work must not be plagiarized.
- Students must not cooperate on oral or written examinations or work together on evaluated assignments without authorization.
- If there is evidence of cheating on an exam the student will receive an F on the respective exam.

Disabilities and Special Needs: If you have a disability for which you need accommodation, contact the Learning Center to request disability support services: phone 701-228-5477 or toll-free 1-888-918-5623.