

Course Prefix/Number/Title: ASC 93 – Algebra Prep III

Number of Credits: 2

Course Description:

This course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include solving quadratic equations, exponents and radicals, algebraic manipulation involving polynomial and rational forms, and unit analysis. Study skills will be incorporated throughout the course. Credit earned does not count towards any degree, nor does it transfer.

Pre-/Co-requisites: ASC 92 Algebra Prep II, placement by math placement test or instructor approval.

Course Objectives:

It is expected that students will be able to:

- Perform basic algebraic operations using positive and negative numbers, fractions, and exponents.
- Demonstrate an understanding of terms and rules used in algebra.
- Utilize problem-solving strategies to solve problems.
- Simplify expressions & solve equations and inequalities.
- Factor using greatest common factor, factor by grouping, and factor trinomials.
- Plot points, graph linear equations, and find slope of a line.
- Analyze and solve various types of math problems
- Utilize a hand-held calculator when solving algebra problems
- Gain the skills needed to participate in a college algebra course

Instructor: Tracy Chisholm

Office: Nelson Science Center, Room 112

Office Hours: MTWF 3-4pm or by appointment

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Lecture/Lab Schedule: MTWF 2nd 8-weeks 2 – 2:50pm

Monday	Tuesday	Wednesday	Thursday	Friday
NSC 124	NSC 124	NSC 124		NSC 124
2 – 2:50pm	2 – 2:50pm	2 – 2:50pm		2 – 2:50pm

Textbook(s):

Beginning & Intermediate Algebra 5th Edition by Tobey, Slater, Blair and Crawford with MyMathLab online learning software. Pearson Publishing

MyMathLab Learning Software Website: www.mymathlab.com



Course Requirements:

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 (30%): Homework will be assigned in MyMathLab at the end of each section. Students will need to purchase an access code to complete the 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 due date. No late work will be accepted. There will occasionally be in-class homework assignments. In-class assignments cannot be made up unless the absence is school related.

Chapter Tests (50%): A test will be given at the completion of each chapter. Students are allowed one attempt on each test and must be completed in one sitting. 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. Make-up tests may be more difficult than the one given for the regular scheduled test.

Final Exam (20%): The final exam is comprehensive. Anyone who misses the final will receive a 0 on the exam and a grade of **F** for the course. No make-up final will be given. A student will be exempt from the final exam if he/she has met the following criteria:

- Homework grade of 100%
- Exam average of 70% or higher
- No unexcused absences

Cheating on tests will not be tolerated. If you are caught cheating, that will result in an automatic 0 for the exam.



Grading Scale:

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%

Students need a 70% final grade to move onto MATH 103, 104, or 210!

Tentative Course Outline:

<i>Chapter</i>	<i>Topics</i>	<i>Dates</i>
Chapter 6 (Review) Sections 6.1 – 6.7	Factoring	Week 1
Chapter 7 Sections 7.1-7.6	Rational Expressions & Equations	Weeks 2-4
Chapter 8 Sections 8.1-8.6	Rational Exponents & Radicals	Weeks 4-7
Chapter 9 Sections 9.1-9.2	Quadratic Equations & Inequalities	Weeks 7-8
Final Exam	COMPREHENSIVE	Week 8

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s): none

Relationship to Campus Focus:

This course develops algebra skills that are used to solve problems in science, technology, business, and social sciences.

Classroom Policies:

- Respect is to be shown towards the instructor and fellow students in the classroom.
- Attendance and participation is expected. This means you must be alert and paying attention to what is being discussed during class.
- Show up to class on time and be prepared (pencil, notebook, calculator, etc).
- Cell phones and all other electronics should be off/silenced and put away. You will be asked once to put the phone away, if asked again you will be asked to leave.
- **Do NOT wear headphones during class or tests. They are not allowed.**

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.

Academic Integrity:

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

Disabilities or Special Needs:

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

Title IX:

Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.