ASC 092 Beginning Algebra

Time: 9:00-9:50 MWF
Location: NSC 126
Instructor: Ms. Jan Nahinurk, M.S.S.E.
Office: Learning Center, Thatcher 1104
Phone: 701-228-5479
Email: jan.nahinurk@dakotacollege.edu

Course Description: This course is a beginning level algebra course. Topics covered include fundamental operations, fractions, exponents, equations, inequalities, and factoring. The class does not satisfy college graduation requirements for math.

> **Credits:** 3 semester credits
> **Prerequisite(s):** none.

Course Objectives/Student Outcomes:

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.
- 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.
- Factor using greatest common factor, factor by grouping, and factor trinomials of the form x^2+bx+c.

Textbook: Tobey, Slater, Blair, & Crawford; *Beginning & Intermediate Algebra*, 4th Ed; e-Text with MyMathLab access code. (Print textbook with access code is an option.)

Course Requirements:

Learning algebra is an investment of time. Algebra is learned best by practice, reflect, and practice some more. Understanding the steps in the topic explanations and video presentations is a good start. 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 multiple attempts in completing the homework provide opportunities for you to get to that point. Passing grades on assessments demonstrate that you have indeed learned the skills taught.

> **Homework:** There are 36 homework assignments located in MyMathLab. These assignments can be done multiple times and the best scores will be used. Grades of

80% or higher are required to proceed to subsequent homework assignments. Homework constitutes 45% of the student's final grade.

Tests: Students will have a weekly quiz or test. Results on the other tests constitute 45% of the student's final grade. Students are allowed one attempt on each test. The Pre-assessment is not calculated into the final grade.

Participation: Students are expected to be in class and working on current course materials. Participation and topic mastery will be tracked through MyMathLab and will count 10% of the final grade.

Class Schedule: Homework, quizzes, and tests must be completed on or before due dates. Students may work ahead.

08/23/12 10:59pm	H MyMathLab Overview		10/17/12 9:00am	H Chapter 2.4 Homework
08/23/12 10:59pm	T Pre-Assessment		10/17/12 10:00am	Q Quiz 3: Sections 2.1-2.4
08/24/12 9:00am	H Chapter 0.1 Homework		10/19/12 9:00am	H Chapter 2.5 Homework
08/27/12 9:00am	H Chapter 0.2 Homework		10/22/12 10:59pm	H Chapter 2.6 Homework
08/29/12 9:00am	H Chapter 0.3 Homework		10/25/12 9:00am	H Chapter 2.7 Homework
08/31/12 9:00am	H Chapter 0.4 Homework		10/24/12 9:00am	H Chapter 2.8 Homework
08/31/12 10:00am	Q Quiz 1: Sections 0.1-0.4		10/26/12 10:00am	T Chapter 2 Test
09/05/12 9:00am	H Chapter 0.5 Homework		10/31/12 9:00am	H Chapter 5.1 Homework
09/05/12 9:00am	H Chapter 0.6 Homework		11/02/12 9:00am	H Chapter 5.2 Homework
09/07/12 10:00am	T Chapter 0 Test		11/05/12 9:00am	H Chapter 5.3 Homework
09/12/12 9:00am	H Chapter 1.1 Homework		11/05/12 10:00am	Q Quiz 4: Sections 5.1-5.3
09/14/12 9:00am	H Chapter 1.2 Homework		11/07/12 9:00am	H Chapter 5.4 Homework
09/17/12 9:00am	H Chapter 1.3 Homework		11/09/12 9:00am	H Chapter 5.5 Homework
09/19/12 9:00am	H Chapter 1.4 Homework		11/14/12 9:00am	H Chapter 5.6 Homework
09/21/12 9:00am	H Chapter 1.5 Homework		11/16/12 10:00am	T Chapter 5 Test
09/21/12 10:00am	Q Quiz 2: Sections 1.1-1.5		11/21/12 9:00am	H Chapter 6.1 Homework

09/24/12 9:00am	H	Chapter 1.6 Homework		11/26/12 9:00am	H	Chapter 6.2 Homework
09/26/12 9:00am	H	Chapter 1.7 Homework		11/28/12 9:00am	H	Chapter 6.3 Homework
09/28/12 10:59pm	H	Chapter 1.8 Homework		11/30/12 9:00am	H	Chapter 6.4 Homework
10/01/12 9:00am	H	Chapter 1.9 Homework		11/30/12 10:00am	Q	Quiz 5: Section 6.1-6.4
10/05/12 10:00am	T	Chapter 1 Test		12/05/12 9:00am	H	Chapter 3.2 Homework
10/10/12 9:00am	H	Chapter 2.1 Homework		12/07/12 10:00am	T	Chapter 6 and Chapter 3 Test
10/12/12 9:00am	H	Chapter 2.2 Homework		12/13/12 3:00-5:00PM	T	Final Exam
10/15/12 9:00am	H	Chapter 2.3 Homework				

Relationship to Campus Theme:

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

Classroom Policies:

- Regular participation is expected.
- Learning activities and evaluation will occur in the MyMathLab learning system and requires Internet connectivity.
- Students will complete tests without the use of calculators, notes, or other materials.

Evaluation:

Based on ND state policy, students must earn grades of C or higher to be promoted to the next level of college mathematics. Letter grades are assigned using the scale below.

A--90-100%
B--80-89%
C--70-79%
D--60-69%
F--59% or lower

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 work together on graded assignments without authorization from the instructor or get help from people, technological resources, textbooks, notes, etc. on examinations.

To learn how to avoid plagiarism in your work, review the website from Purdue University, Is It Plagiarism Yet?

Violations of academic principles such as cheating, plagiarism or other academic improprieties will be handled using the guidelines outlined in the Student Handbook on pages 18, 19, and 37.

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.