

ASC 092 Beginning Algebra

Online
Spring Semester 2012

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.

Delivery Method: Online

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 .

Instructor: Jan Nahinurk

Office: Online

Office Hours: Use the eMail tool within the online course to communicate with the instructor. Course eMail messages will be checked daily, Monday through Friday.

Technical Problems: If you have a technical problem, contact the Distance Education office by calling 1-701-228-5479 or 1-888-918-5623 (toll-free) or the Wimba/Moodle help desk: **1-866-940-0065**

Email: Use online course eMail tool.

Class Schedule: Online; assignments and assessments must be completed on or before due dates. Students may work ahead.

Textbook: Miller, O'Neill, Hyde, *Introductory Algebra*, 2nd Ed – E-text with ALEKS access code; ISBN 0077409795

Order by email: bookcell@dakotacollege.edu or call 1-701-228-5458.

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 independent practice in the ALEKS learning system provides opportunities for you to get to that point. Passing grades on assessments demonstrate that you have indeed learned the skills taught.

Learning Mode: Students will work in the MyPie area of the ALEKS learning system on topics to be mastered. The problems for each topic are linked to worked out explanations, e-textbook material, and video demonstrations. Work on MyPie topics constitutes 15% of the student's final grade and is calculated by the percent of topics mastered by "module due dates." There are 12 modules in the course.

Assessments: Student mastery of learning will be checked weekly within the ALEKS system. The Assessments will open at 12:01 AM Central Time and will close at 11:59 PM the following day. Students are expected to complete the progress checks on the scheduled dates. When students open ALEKS on a progress check due date, the assessment will be the first task to open. Progress Checks constitute 15% of the student's final grade.

Assignments: There are two homework assignments located in ALEKS: the **midterm review** and the **final review**. These assignments can be done multiple times and the best scores will be used. This work constitutes 10% of the student's final grade.

Tests: Two proctored tests will be given: the midterm and final exams. These exams are comprehensive and constitute 60% of the student's final grade. Students are responsible for finding a suitable proctor. Proctors must be approved by the instructor. The process is found on the homepage of this course.

Course Outline with Due Dates:

August 22: Orientation

Review syllabus, introductions, explore course documents and tools, take ALEKS initial assessment

August 22-September 13

Work on & master module topics in ALEKS MyPie **before** the due dates and complete Assessments on the dates assigned.

- Module 1 - MyPie topics - January 13
- Module 2 - MyPie topics - January 17
- Assessment 1 - January 18
- Module 3 - MyPie topics - January 20
- Module 4 - MyPie topics - January 24
- Assessment 2 - January 25
- Module 5 - MyPie topics - January 27
- **Midterm Review Assignment - January 30**
- **Midterm Exam - January 31**
- Assessment 3 - February 1
- Module 6 - MyPie topics - February 3
- Module 7 - MyPie topics - February 7
- Assessment 4 - February 8
- Module 8 - MyPie topics - February 10
- Module 9 - SMyPie topics - February 14
- Assessment 5 - February 15
- Module 10 - MyPie topics - February 17
- Module 11 - MyPie topics - February 21
- Assessment 6 - February 22
- Module 12 - MyPie topics - February 24
- **Final Review Assignment - February 28**
- **Final Exam - February 29**

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 progress checks will occur in the ALEKS learning system and require Internet connectivity.
- Students must find a test proctor and have the selection of the proctor approved by the instructor at least 2 weeks before the midterm exam.
- Students must take the midterm and final exams in a proctored setting on the assigned dates.
- Tests will be available for a limited period of time. The maximum time for the midterm is 1 hour and the maximum time for the final exam is 2 hours.

Evaluation:

Grades for the course are calculated as follows: mastery of MyPie topics in ALEKS - 15%, results from ALEKS progress checks - 15%, homework assignments - 10%, and results from tests - 60%. 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.