

# College ALGEBRA - MATH 1050

Fall Semester – 2014

Sect. 009 2:30-3:20p MTWR Science 327

<b>Instructor:</b>	Steven Zollinger	<b>Website:</b>	<a href="http://www.snow.edu/stevez">http://www.snow.edu/stevez</a>
<b>Office Location:</b>	Noyes <b>N2</b>	<b>Email:</b>	<a href="mailto:steve.zollinger@snow.edu">steve.zollinger@snow.edu</a>
<b>Office Hours:</b>	8:30-9:20a OR By Appt.	<b>Fax:</b>	435-283-7518

## **Course Description**

This four-credit course is for students who are prepared for college math and who plan to major in math, science, engineering, business, or education. This course is designed to prepare students for college calculus with an emphasis on real-world applications and creative problem solving. Topics covered in this course include basic arithmetic and number theory, linear equations and inequalities, polynomial and rational functions, exponential and logarithmic functions, systems of equations, matrix arithmetic and applications, conic sections, sequences and series, and the binomial theorem.

## **Student Learning Outcomes (SLOs) for Math 1050**

To successfully complete this course, the student must show proficiency with:

- Constructing, solving, and applying linear and nonlinear functions, equations, and inequalities.
- Creating and using graphs to describe the behavior of linear, polynomial, rational, absolute value, exponential, logarithmic, and piecewise equations/functions.
- Using matrix arithmetic and algebra to solve systems of equations.
- Solving applications involving sequences and series

## **Instructor's Role and Commitments**

- Provide subject-matter expertise
- Assess student learning in a variety of ways
- Provide regular feedback to students to help them achieve the learning objectives
- Provide regular opportunities for creative problem-solving and collaboration
- Be reasonably accessible and available to assist students
- Be professional and respectful
- Have a thorough understanding of and access to the technologies used in the course

## **Student's Role and Commitments**

- Utilize a variety of resources to aid in the learning process (i.e. teacher, peers, websites, tutors, etc.)
- Become an expert in his or her own learning
- Provide regular feedback to peers and instructor to help maximize the learning potential of everyone in the class
- Actively engage in the class and apply your knowledge, skills, and experiences to creative problem-solving and collaborative activities
- Check email, Canvas mail, and the discussion board daily to keep updated on class announcements, discussions, and upcoming deadlines
- Be professional and respectful
- Have a thorough understanding of and access to the technologies used in the course.
- Apply the self-discipline and time management skills necessary to meet course deadlines and to achieve the learning objectives of the course.

## **Required Materials (Bring to EVERY class)**

- You are **REQUIRED** to set up an ALEKS account (<http://www.aleks.com/>) for this course.  
The course code for our class is **TLUFA-XMRKA**. You should purchase the ALEKS 360 1-semester option.
- Your registration will give you access to an electronic version of the text. However, you may also purchase a hard copy of the text from a bookstore of your choice. Please note that the text is **optional**.
  - The text is: *College Algebra, 2nd Edition* by John W. Coburn.
- Graphing calculator
- Paper and pencils

### Grading Scale

4.0	A	93-100%	2.7	B-	80-82%	1.3	D+	67-69%
3.7	A-	90-92%	2.3	C+	77-79%	1.0	D	63-66%
3.3	B+	87-89%	2.0	C	73-76%	0.7	D-	60-62%
3.0	B	82-86%	1.7	C-	70-72%	0.0	F	0-59%

### Grading

Semester Grades					
Homework	10%	Projects/Discussions	5%	Midterm Exam	20%
Quizzes	10%	Exams	35%	Final Exam	20%

#### Homework (10% of your semester grade)

- Homework will be assigned regularly. You will complete most of your homework online via the ALEKS website.
- On occasion graded activities will be done during class or via the discussion board in CANVAS. If you do not attend the class, you will receive a zero for these activities.
- Each homework assignment must be completed by its due date.
- The average student should plan to spend at least two hours outside of class for each hour inside of class. Since we meet 4 days each week, you should plan to spend **at least 12 hours** per week working on homework and studying.
- Many students benefit from a fixed time to study, from joining a study group, and from regular attendance at the math lab.

#### Quizzes (10% of your semester grade)

- Regular online quizzes will be given in ALEKS to assess your understanding the material.

#### Projects (5% of your semester grade)

- During the semester a few individual and/or group projects will be assigned in order to give you additional experience with your creative and applied problem solving skills.

#### Exams (35% of your semester grade)

- There will be several online exams given via ALEKS during the semester.
- If you miss a test, you will receive a zero on that test. So if you have a conflict with any scheduled test or exam, you are responsible to make alternative arrangements with me **PRIOR** to the scheduled test date.

#### Midterm Exam (20% of your semester grade)

- The midterm exam will be a comprehensive test, covering all of the content from the first half of the course. This exam will be administered in the testing center.
- Testing Center (435-283-7197) hours:  
MTWR 9a – 10:30p, F 9a – 7p, Sat 12p – 4p, and Sun 5p – 9p (*The testing center is closed on holiday weekends.*)

#### Final Exam (20% of your semester grade):

- The final exam will be a comprehensive test, covering all of the semester content. The exam will be administered in our classroom.
- Date of your Final Exam:  
Section 009: **Thursday, Dec 11, 2:30-4:30pm**
- A request to take a final exam at any time other than when it is officially scheduled must be initiated with the Vice President for Academic Affairs (3rd floor of the Noyes Bldg, west end). A charge may be assessed if the request is approved. Students are discouraged from taking final exams outside of the scheduled time.
- Students who do the following typically improve their learning in this course and maximize their chances of passing:
  1. Come to class daily and turn in all assignments
  2. Study for and take each exam
  3. Come to me if they are struggling
  4. Study for the final both in class and with a study group

## ***Content Support***

- You will have access to teacher and tutor support during class. Please take advantage of this support.
- Outside of class, I am available regularly via email ([steve.zollinger@snow.edu](mailto:steve.zollinger@snow.edu)), the Canvas discussion board, or during my scheduled office hours. Please take advantage of these support opportunities.
- You may also seek assistance via the web. Search for your topic (i.e. in Google, Youtube, etc.) to find many source for supplemental instruction.
- I also recommend that you find other reliable people (i.e. family, friends, neighbors, teachers, etc.) who are willing to make themselves available to you when you require additional face-to-face assistance.
- You may also go to the Math Lab (Noyes 101) for assistance.  
Go to [http://www.snow.edu/advise/lab\\_hours.html](http://www.snow.edu/advise/lab_hours.html) to view the Math Lab hours for this semester.

## ***Communication Etiquette***

When communicating with your instructor or peers, please follow these guidelines to ensure that that all interactions are effective, efficient, and respectful:

- Always explicitly identify who you are (i.e. use a signature at the end of all email, discussion posts, and other written communications, introduce yourself by name during any synchronous voice communications)
- Provide a clear, concise description for the purpose of the communication upfront (i.e. in the subject line of an email or discussion post)
- Always speak respectfully and avoid (as much as possible) statements that could be easily misinterpreted
- Use emoticons and other descriptors to help convey your intended meaning
- Avoid typing in ALL CAPS (it's the written equivalent yelling)

## ***Academic Honesty***

### • POLICY SUMMARY:

Everyone in this course is expected to adhere to the highest standards of academic honesty. Therefore, all work submitted by students must appropriately reflect their individual abilities, efforts, and learning. The most common academic honesty infractions involve cheating (i.e. using unauthorized assistance to complete course assessments, assignments, and objectives), fraud (knowingly falsifying information or knowledge), and plagiarism (i.e. using the words, ideas, or works of others without proper acknowledgement and citations). All suspected infringements of this academic honesty policy will be carefully investigated by the instructor and reported to the Office of the Registrar and Academic Standards Committee as appropriate. Depending upon the severity of the infraction, guilty students will receive appropriate consequences, which may include failing the assignment in questions, failing the course, suspension, or expulsion. For a more detailed explanation of the academic honesty policy for our institution, refer to the "Academic Honesty" section of the "Snow College Catalog" (<http://www.snow.edu/general/catalog/registration.pdf>).

### • HELPFUL TIPS:

- Always use proper citations and references when you use and incorporate the work of others in your work.
- Only use authorized sources of assistance when completing your work. For individual assignments in particular, you should work out your math problems and responses as much as possible on your own before seeking additional assistance. Authorized sources for assistance (when appropriate for a given assignment) may include the teacher, the class tutor, student tutors in the Math Lab, another math faculty member, or even a friend or classmate. For group work, you are expected to work together with the other group members to achieve the group's objectives. Group activities and projects will typically be assessed on individual and group contributions.
- If you are unsure whether or not a specific action would qualify as an infringement of the academic honesty policy, discuss it IMMEDIATELY with your instructor for clarification before you proceed with a given assignment or activity.

***ADA/Section 504 Compliance Notice:***

- Snow College is committed to policies of equal opportunity in employment and educational programs, and to allow all persons access to college programs regardless of sex, age, color, religion, national origin, sexual orientation, disability, marital status, or veteran disability in compliance with Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Americans with Disabilities Act of 1990, and the Vocational Amendments of 1976, and other federal and state constitutional and statutory provisions.
- Students with medical, psychological, learning, or other disabilities desiring accommodations, academic adjustments, or auxiliary aids should contact the Accessibility Resource Center, Room 241 Greenwood Student Center, phone number 435 283 7321. The Americans with Disabilities Act (ADA) Coordinator in the Student Success Center determines eligibility for and authorizes the provision of appropriate services and aids. For assistance please contact the Accessibility Services Coordinator:
  - Katie Jean Larsen  
Accessibility Resource Center  
Snow College  
150 East College Avenue  
Ephraim, Utah 84627  
435 283 7321  
Katie.larsen@snow.edu

***Ephraim Ambulance Contingency Plan***

- I am a volunteer EMT for the Ephraim Ambulance. As a result, I will on occasion be on call with the ambulance during our class. So if I do not show for class when class is to begin or if I must leave in the middle of class, you will STILL HOLD CLASS as usual. Log in to your iLearn account and continue working where you left off.

***Final Note***

- I reserve the right to make changes to the syllabus. Any changes will be announced in class. Students are responsible for such changes.