

# Math 1050-070, College Algebra

## Summer Term 2025

### Table of Contents

<a href="#">General Information.....</a>	<a href="#">1</a>
<a href="#">Student Experience.....</a>	<a href="#">2</a>
<a href="#">Resources for Help.....</a>	<a href="#">3</a>
<a href="#">Online Course Components.....</a>	<a href="#">3</a>
<a href="#">Assessments.....</a>	<a href="#">3</a>
<a href="#">Formative Assessments.....</a>	<a href="#">3</a>
<a href="#">Summative Assessments.....</a>	<a href="#">4</a>
<a href="#">Grading.....</a>	<a href="#">4</a>
<a href="#">Absences.....</a>	<a href="#">5</a>
<a href="#">Class Schedule and Important Dates.....</a>	<a href="#">5</a>
<a href="#">Expected Learning Outcomes.....</a>	<a href="#">6</a>
<a href="#">Additional Policies and Resources.....</a>	<a href="#">7</a>

### General Information

**Class Meetings:** TuTh/06:00 PM-08:00 PM  
Sandy Campus Room 204

**Instructor:** Ann Henriksen

**Email:**

*Please email me or contact me through Canvas email. You can use the Canvas emailing system by clicking on **Inbox** on the left side menu.*

**Textbook:** The textbook for this course is available at no cost to you through our Canvas page.

**Course Information:** Math 1050 College Algebra is a 4 credit course.

**Course Description:** This course covers functions, inverses, and graphs; polynomial, rational, radical, exponential, and logarithmic functions; systems of equations and matrices; applications.

**Note:** The majority of students taking Math 1050 plan to take Math 1060 (Trigonometry) and Calculus. Few majors on campus require Math 1050. Although Math 1050 fulfills the general education QA requirement, those who do not need it as a prerequisite or for their major are encouraged to investigate whether they would prefer to take Math 1030 or Math 2000 to fulfill the QA requirement.

**Prerequisites:** The Math Department will be using prerequisites to place students into Math classes starting Fall 2025. However, this semester, students are responsible for determining whether they are ready for the course they select. The easiest way to check if you are ready for this class is to take the ALEKS placement. There is a link to do so here: [Math Placement - Math - The University of Utah](#) Other recommended prerequisites are:

- ..... C or better in Math 1010
- ..... 23+ in ACT Math
- ..... 570+ in SAT Math

# Math 1050-070, College Algebra

## Summer Term 2025

**Course Coordinator:** Dalyana Guerra, JWB 330, [d.guerra@utah.edu](mailto:d.guerra@utah.edu) . Please inform your instructor of any problems you have with this course. Problems not satisfactorily resolved with your instructor should be brought to the attention of the Course Coordinator.

### Student Experience

*How you take this course - the depth of engagement, and nature of effort - is largely your choice. Make this choice consciously in light of your academic goals.*

**Class Preparation:** You are expected to come to class to learn the material. Repetitive exposure to the material will be helpful. If you are able to, I would suggest reading the action (or watching a lecture video) on the appropriate section *prior* to the class in which that material is discussed. After the class presentation, you should re-read the material and work through all of the assigned problems.

The *only* way to learn mathematics is to *do* mathematics.

- You should work out and carefully write up all of the assigned exercises. A small portion of each lecture will be devoted to discussing these problems and others. You must fully complete each problem, plus any additional problems that you need to further your own understanding of the material.
- Ask questions. If something is not completely clear, ask about it in lecture, in office hours or at the Math Center as soon as possible. Don't hesitate to bring questions to your course instructor.
- Stay caught up. Math concepts build on each other cumulatively and you need to stay on top of the material at every stage. If you are having difficulty, don't expect that the problem will take care of itself and disappear later. Contact your course instructor immediately and discuss the problem.

**Attendance and Participation:** You are expected to attend and participate in class. This course will involve small group problem solving, class discussion, and lecture. Your success will be limited without full attendance and participation. Daily Check -Ins will be administered during each class to check comprehension of the material - these do count towards your final grade. More information on Daily Check -Ins will be described in the [Assessments](#) part of the Syllabus. If you are not able to come to class, I post daily notes from class and we do offer flexible policies for this - see the [Absences](#) part of the Syllabus for more information.

**Email Accessibility:** I want to provide many opportunities for everyone to be able to seek the help they need throughout the semester. If you feel comfortable doing so, I encourage you all to ask questions in class. Participating in class not only helps you but it also helps your fellow classmates. Please email me or contact me through Canvas email. You can use the Canvas emailing system by clicking on **Inbox** on the left side menu.

# Math 1050-070, College Algebra

## Summer Term 2025

### Resources for Help

**Students Hours:** Office Hours are designated times in which you can seek the help of your instructor. These times will be on Tuesdays before class, by appointment.

#### Additional Resources:

**Tutoring Center & Computer Lab-** There is free tutoring in the T. Benny Rushing Mathematics Student Center (room 155, the lower level/basement between JWB and LCB), as well as a computer lab. For more information, see [Math Center at LCB](#)

**Private Tutoring- Learning Center** [Learning Center](#).

**Departmental Videos-** The math department has a full set of lecture videos which you are welcome to use to *supplement* our course material. These can be found at [Math 1050 Lecture Videos](#) and they will be available on Canvas.

### Online Course Components

**Canvas:** All course information and grades will be posted on Canvas. Please check Canvas regularly to ensure your grades have been recorded correctly. **You must bring clerical errors to our attention within one week of the date an assignment was returned. No changes will be made after this time.** You should be checking your emails on a daily basis, major announcements will be communicated through Canvas email and you are expected to be up to date with any announcement relating to assignments, class, etc.

**Gradescope:** Quizzes and Exams will be done on paper in class but later scanned into gradescope by the instructor. **Regrade requests (in gradescope, not email) must be lodged in a timely fashion within a week of grade posting. For the Final Exam, this window of time is shorter.** Regrade requests may involve creating an argument for why you deserve more points. All regrade requests will be considered but should be based on the facts of the problem, the rubric employed, and the work given on the page of the exam, but not what you intended to write, or thought, or any other excuses. The goal of grading is to fairly apply a grading procedure to every student, so a regrade request may result in an increase, decrease, or no change in score.

### Assessments

#### *Formative Assessments*

*Tools that monitor student learning and provide ongoing feedback.*

**Homework:** Homework is done online through Canvas. (We use the IMathAs platform.) Students are encouraged to start homework the day that material is covered in class. Students are encouraged to start HW promptly, seek help when stuck, and work together when doing homework (in such a way that all are learning mathematics.) Students may submit HW late for 80% credit.

**Daily Check - Ins :** There will be a daily check-in survey question during each class on days when there are no exams. You must attend class to take the check-in. At the end of the semester, 20% of the check-in grades will be dropped.

# Math 1050-070, College Algebra

## Summer Term 2025

### *Summative Assessments*

*These are evaluations of student learning that demonstrates mastery in performing mathematical skill, problem solving, and reasoning.*

**Midterm Exams:** Two 50 minute midterm exams will be given on select days. You will have 1 hour to complete the exam. Dates of the midterm exams will be:

Exam 1: Tuesday, June 10th	Exam 2: Thursday, July 10th
----------------------------	-----------------------------

**Final Exam:** A two-hour cumulative exam will be given. This Final will cover all the material of the course. *Please do not schedule any traveling before the date below. You are expected to show up in person to the Common Final Exam.*

<b>Final Exam Details:</b> Date: July 31, 2025 Time: 6:00 pm - 8:00 pm Location: Sandy Room 204
--

**Calculators:** Calculators will not be allowed on exams or quizzes. They may be used on homework, but you should still write out the details of your computation. It is in your best interest not to become too dependent on your calculator since they will not be allowed on written assessments.

### Grading

Type of Assessment	Assignment Category	Contribution to Grade	Adjustments (all drops are made at the end of the semester)
<i>Formative Assessments</i>	Homework	20%	Lowest two homework scores are dropped. Late HW will be accepted for 80% credit.
	Daily Check Ins	18%	Lowest 20% dropped
<i>Summative Assessments</i>	Two Midterm Exams	40% (20% each)	Your Final Exam Score can replace your lowest midterm score (as long as it's higher).
	Final Exam	22%	Not applicable

# Math 1050-070, College Algebra

## Summer Term 2025

Your final letter grade will be determined as follows:

Range	Letter	Range	Letter	Range	Letter
[93-100]	A	[77-80)	C+	[60-63)	D-
[90-93)	A-	[73-77)	C	[0-60)	E
[87-90)	B+	[70-73)	C-		
[83-87)	B	[67-70)	D+		
[80-83)	B-	[63-67)	D		

*The instructor retains the right to modify this grading scheme during the course of the semester; students will, of course, be well notified of any adjustments.*

### Absences

Students with University excused absences (band, debate, student government, intercollegiate athletics) should make alternate arrangements with me as soon as possible if the absence interferes with any course components.

There will be no makeup quizzes or exams offered in this class and please do not ask for extensions on Homework assignments. This course is designed to provide flexibility in other ways:

- You have the option to turn in HW late for 80% credit. The lowest two homeworks are dropped at the end of the semester.
- Lowest 20% of daily check-ins are dropped.
- Your lowest midterm score may be replaced by a higher final exam grade.

If there are extenuating circumstances, please contact me in a timely way to discuss alternatives. If the situation is one that can be documented, you may be asked to provide documentation.

### Class Schedule and Important Dates

**Official Drop/Withdraw Dates:** The last day to drop classes is Wednesday, 5/21; the last day to withdraw from this class is Friday, 6/20. Please check the academic calendar for more information pertaining to dropping and withdrawing from a course. Withdrawing from a course and other matters of registration are the student's responsibility.

## Math 1050-070, College Algebra Summer Term 2025

### Tentative Schedule (Subject to change)

Week	Schedule Notes	Sections Covered	Assessments due that week
1 (5/12-5/16)		1.1-1.3	
2 (5-19-5/23)	<i>Last Day to Add/Drop a class without the instructor's permission is on Wed 5/21</i>	1.3-1.4	
3 (5/26-5/30)	<i>Memorial Day Holiday on Monday 5/26 (No Classes that day)</i>	2.1-2.2	
4 (6/2-6/6)		2.3-2.4	
5 (6/9-6/13)		Exam & 3.1	Exam 1 on Tuesday 6/10
6 (6/16-6/19)	<i>Juneteenth Holiday on Monday 6/16 Last Day to Withdraw is Friday 5/20</i>	3.2-3.3	
7 (6/23-6/27)		4.1-4.2	
8 (6/29-7/4)	<i>Independence Day Holiday on Friday 7/4 (No Classes that day)</i>	4.3-4.4	
9 (7/7-7/11)		4.5- Exam 2	Exam 2 on Thursday 7/10
10 (7/14-7/18)		6.2-6.3	
11 (7/21-7/25)	<i>Pioneer Day Holiday on Thursday 7/24 (No Classes that day)</i>	6.4	
12 (7/28-8/1)		Final Review and Final	<b>Final Exam Details: Date: July 31, 2025 Time: 6:00 pm - 8:00 pm Location: Sandy Room 204</b>

### Expected Learning Outcomes

At the end of the semester, students should be able to master the following skills:

1. Sketch the graphs of quadratic and cubic polynomials, rational, radical, exponential, logarithmic, and piecewise functions with or without transformations. Be able to identify important points such as x- and y-intercepts, maximum or minimum values; domain and range; and any symmetry.
2. Given the graph of a function, be able to identify the domain, range, any asymptotes and/or symmetry, x- and y-intercepts, as well as find a rule for the function if it is obtained from a standard function through transformations.
3. Perform composition of functions and operations on functions

## Math 1050-070, College Algebra

### Summer Term 2025

4. Find the inverse of a function algebraically and graphically.
5. For polynomial, rational exponential and logarithmic functions, identify the x-intercepts, asymptotes, end behavior and domain from algebraic and graphic representations. Convert back and forth between algebraic, graphical and verbal representations.
6. Solve polynomial, exponential, and logarithmic equations and inequalities.
7. Represent and interpret physical world situations using exponential and logarithmic functions.
8. Perform matrix arithmetic computations.
9. Solve systems of linear and non-linear equations in two or three variables, including the use of Gaussian elimination and matrix inverses in the linear case.

### Additional Policies and Resources

#### Academic Misconduct

It is expected that students comply with University of Utah policies regarding academic honesty, including but not limited to refraining from cheating, plagiarizing, misrepresenting one's work, and/or inappropriately collaborating. This includes the use of generative artificial intelligence (AI) tools without citation, documentation, or authorization. Students are expected to adhere to the prescribed professional and ethical standards of the profession/discipline for which they are preparing. Any student who engages in academic dishonesty or who violates the professional and ethical standards for their profession/discipline may be subject to academic sanctions as per the University of Utah's Student Code: Policy 6-410: Student Academic Performance, Academic Conduct, and Professional and Ethical Conduct.

Plagiarism and cheating are serious offenses and may be punished by failure on an individual assignment, and/or failure in the course. Academic misconduct, according to the University of Utah Student Code:

*"...Includes, but is not limited to, cheating, misrepresenting one's work, inappropriately collaborating, plagiarism, and fabrication or falsification of information...It also includes facilitating academic misconduct by intentionally helping or attempting to help another to commit an act of academic misconduct."*

For details on plagiarism and other important course conduct issues, see the U's Code of Student Rights and Responsibilities.

**AI & Academic Honesty:** It is expected that students adhere to University of Utah policies regarding academic honesty, including but not limited to refraining from cheating, plagiarizing, misrepresenting one's work, and/or inappropriately collaborating. This includes the use of generative artificial intelligence (AI) tools without citation, documentation, or authorization. Students are expected to adhere to the prescribed professional and ethical standards of the profession/discipline for which they are preparing. Any student who engages in academic dishonesty or who violates the professional and ethical standards for their profession/discipline may be subject to academic sanctions as per **Policy 6-410, Student Academic Performance, Academic Conduct, and Professional and Ethical Conduct**.

## Math 1050-070, College Algebra

### Summer Term 2025

**Student Etiquette.** Respectful participation in all aspects of the course will make our time together productive and engaging. Meetings, Office Hours, Discussion threads, emails, Canvas and assignments and are all considered equivalent to classrooms and student behavior within those environments shall conform to the student code.

**Email.** When emailing your Instructor and Teaching Team keep a professional tone (e.g. Use a descriptive subject line, avoid “Hey” and begin the e-mail with Dear INSERT NAME HERE or Dear Instructor INSERT NAME HERE.. Sign your message with your name and return email address. Please consult this page for tips on how to write appropriate professional emails:  
<https://academicpositions.com/career-advice/how-to-email-a-professor>

**Privacy Policy.** FERPA, the federal law that guards student privacy, prohibits me from discussing your performance in this class with anyone except you without your permission, which must be on file with the university, not simply told to me. To ensure compliance with this law, send email with a university email address or via Canvas mail.

Out of respect for the privacy of your classmates, do not record or screenshot any part of this class for use outside of this class, even if you omit identifying information about the speaker or poster. You may not circulate or share images, clips, or other course materials with individuals who are not enrolled in this class. Doing so is a serious violation of our class ethical code and will result in a charge of academic misconduct.

**Concern for Nonparticipating Students:** If students do not complete assignments in this course for 3 consecutive weeks and do not contact me (their instructor) during this time, then I may send their names to the Dean of Students' Office. The Dean of Students Office makes sure students are all right and helps connect students to campus support

#### **The Americans with Disabilities Act:**

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities.

All written information in this course can be made available in an alternative format with prior notification to the Center for Disability & Access (CDA). CDA will work with you and the instructor to make arrangements for accommodations. Prior notice is appreciated. To read the full accommodations policy for the University of Utah, please see Section Q of the Instruction & Evaluation regulations.

In compliance with ADA requirements, some students may need to record course content. Any recordings of course content are for personal use only, should not be shared, and should never be made publicly available. In addition, recordings must be destroyed at the conclusion of the course.



# Math 1050-070, College Algebra

## Summer Term 2025

If you will need accommodations in this class, or for more information about what support they provide, contact:

### Center for Disability & Access

801-581-5020  
[disability.utah.edu](http://disability.utah.edu)  
162 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

### Addressing Sexual Misconduct:

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status, or genetic information.

If you or someone you know has been harassed or assaulted, you are encouraged to report it to university officials:

### Title IX Coordinator & Office of Equal Opportunity and Affirmative Action

801-581-8365  
[oeo.utah.edu](http://oeo.utah.edu)  
135 Park Building  
201 Presidents' Cir.  
Salt Lake City, UT 84112

### Office of the Dean of Students

801-581-7066  
[deanofstudents.utah.edu](http://deanofstudents.utah.edu)  
270 Union Building  
200 S. Central Campus Dr.  
Salt Lake City, UT 84112

To file a police report, contact:

### Campus Police & Department of Public Safety

801-585-COPS (801-585-2677)  
[dps.utah.edu](http://dps.utah.edu)  
1735 E. S. Campus Dr.  
Salt Lake City, UT 84112

## Math 1050-070, College Algebra Summer Term 2025

If you do not feel comfortable reporting to authorities, the U's Victim-Survivor Advocates provide free, confidential, and trauma-informed support services to students, faculty, and staff who have experienced interpersonal violence.

To privately explore options and resources available to you with an advocate, contact:

### Center for Campus Wellness

801-581-7776  
[wellness.utah.edu](http://wellness.utah.edu)  
350 Student Services Building  
201 S. 1460 E.  
Salt Lake City, UT 84112

**Safety at the U:** The University of Utah values the safety of all campus community members. You will receive important emergency alerts and safety messages regarding campus safety via text message. For more safety information and to view available training resources, including helpful videos, visit [safeu.utah.edu](http://safeu.utah.edu).

To report suspicious activity or to request a courtesy escort, contact:

### Campus Police & Department of Public Safety

801-585-COPS (801-585-2677)  
[dps.utah.edu](http://dps.utah.edu)  
1735 E. S. Campus Dr.  
Salt Lake City, UT 84112

**Student Wellness:** Your personal health and wellness are essential to your success as a student. Personal concerns like stress, anxiety, relationship difficulties, depression, or cross-cultural differences can interfere with a student's ability to succeed and thrive in this course and at the University of Utah. Please feel welcome to reach out to your instructor or TA to handle issues regarding your coursework.

For helpful resources to manage your personal wellness and counseling options, contact:

### Counseling Services

801-581-6826  
[counselingcenter.utah.edu](http://counselingcenter.utah.edu)  
Student Services Building  
201 South 1460 East, Rm 426  
Salt Lake City, UT 84112

### Center for Student Wellness

801-581-7776  
[wellness.utah.edu](http://wellness.utah.edu)  
2100 Eccles Student Life Center  
1836 Student Life Way  
Salt Lake City, UT 84112

# Math 1050-070, College Algebra

## Summer Term 2025

**Student Support at the U:** Your success at the University of Utah is important to all of us here! If you feel like you need extra support in academics, overcoming personal difficulties, or finding community, the U is here for you. Please refer to the [Student Support Services page for the U](#) for updated information.

**Basic Needs Collective:** Success at The University of Utah includes learning about and using available resources. The [Basic Needs Collective](#) (BNC) is a coordinated resource referral hub. They educate about and connect students to campus and community resources to help them meet their basic needs. As a central location for resource referrals related to food, housing, health insurance, managing finances, legal services, mental health, etc., any student experiencing difficulties with basic needs is encouraged to contact them. Drop into their office located in the Union basement, or schedule with them online for an in-person or virtual visit through their webpage: [basicneeds.utah.edu](http://basicneeds.utah.edu).

**Dignity/Belonging Statement.** I stand in support of compassion, dignity, value-of-life, fair treatment, belonging, and justice for all individuals regardless of color, race/ethnicity, sexual orientation, religion, language, socioeconomic status, ability, gender, gender identity or expression, immigration status, or any type of marginalization. I stand in support of making our society more fair and compassionate for all individuals. I stand against discrimination in all its various forms.

**Syllabus subject to change:** This syllabus is meant to serve as an outline and guide for our course.

Please note that I may modify it with reasonable notice to you. I may also modify the Course Schedule to accommodate the needs of our class. Any changes will be announced in class and posted on Canvas.