MATH 1110-001: College Algebra Department of Mathematical and Statistical Sciences College of Liberal Arts and Sciences, University of Colorado Denver COURSE SYLLABUS

Instructor:	Pamela Whitten	Term:	Spring 2018
Office:	AB1-4120	Class Meeting Days:	Mondays & Wednesdays
Phone:	303-315-1741	Class Meeting Times:	9:30 - 10:45
E-Mail:	pamela.whitten@ucdenver.edu	Recitation Times:	8:30-9:20
Office Hours:	M/W 8:00-9:00 am T/TH 11:00 am - 12:00 pm Other Times Available by Appointment	Location: (Just Ask)	NC 1604
Course Captain: Gary Olson; <u>gary.olson@ucdenver.edu</u> ; 303-315-1732; AB1-4112 Associate Chair: Stephen Billups; <u>Stephen.Billups@ucdenver.edu</u> ; 303-315-1735; AB1- 4221			

COURSE OVERVIEW

I. Course Description

This is a mathematics course that was designed to fulfill the CORE University requirements. The topics in algebra are designed for students who intend to take the calculus sequence. Functions, domains, ranges, graphs, data scatter plots and curve fitting, solving equations and systems of equations, polynomial functions, rational functions, and selected other topics are explored. Graphic calculators and/or computer algebra systems are used extensively. Applications are emphasized. Note: No co-credit with either MATH 1070 or 1130. *Semester Hours: 4*

II. Course Prerequisites

It must be assumed that every student has a good understanding of the mathematical concepts in an intermediate Algebra course or a good Advanced Algebra course in high school. An assignment will be administered during the first week of the course (skills inventory) to help you gauge your readiness for the rigor of the mathematics content. While this assignment will not determine mandatory placement it should be used as a guide to help you determine whether this class is the right fit for your current mathematical abilities. You will not be able to work on any MyMathLab Homework assignments until you complete the prerequisite skills assignment successfully with an 80% or above.

III. Course Rationale

This course is designed to help students understand the fundamental concepts of algebra and to show how algebra can be used to model real-world problems. The important ideas of calculus will be foreshadowed and the use of technology will be used to efficiently facilitate the understanding of important algebraic concepts. Students will attain a deeper understanding of how mathematics relates to the world around them and prepare themselves for further study in calculus and mathematics.

IV. Required Texts and Materials

Algebra and Trigonometry Enhanced with Graphing Utilities (7th Edition) by Sullivan and Sullivan. An eBook is available and recommended for purchase since we will be utilizing the associated MyMathLab software.

Option 1 - Textbook (3-Hole Punched) plus MyMathLab Access Code or Option 2 - E-book plus MyMathLab Access Code

To access MyMathLab go to <u>www.coursecompass.com</u>. Under the **Register** tab click on **Student**. Next click on the **'OK! Register Now'** button. You will need your University email address (which you check regularly), the **Course ID** which is:

whitten24955 and either a student access code or a valid credit card. If you purchased the text new at the bookstore it will have a student access code which gives you access to the homework software. If you use a credit card to purchase the software it comes with an eBook which you can use for the class.

V. Course Goals and Learning Objectives CORE Learning Outcomes

1. Calculate: Accurately and logically manipulate a mathematical representation to attain desired information.

2. *Represent:* Able to translate between representations to clearly represent information and gain insight. Representations may be expressed symbolically, graphically, numerically, or verbally.

3. *Interpret:* Draw meaningful inferences and communicate insights from mathematical representations.

Mathematical representations may include statistical, graphical, algebraic, geometric, or symbolic.

4. *Model:* Develop and/or apply an appropriate mathematical model for a real-world problem. This can be demonstrated by e.g. developing a model, choosing an appropriate model from several, or explaining the primary assumptions needed to use a particular model.

Course Learning Outcomes MATH 1110

The following section lists the Learning Outcomes specific to the course (MATH 1110). Each Learning Outcome reflects one or more of the CORE Learning Outcomes.

Exam 1: 15% of course grade

Graphs, Equations, and Inequalities – Chapter 1 Students will be able to...

- Solve equations graphically (Interpret)
- Solve quadratic equations by factoring, square root method, completing the square, quadratic formula (Calculate)
- Solve radical equations and absolute value equations algebraically (*Calculate*)

Graphs – Chapter 2

Students will be able to...

- Find intercepts of linear and quadratic functions algebraically *(Calculate)*
- Find intercepts of linear and quadratic functions graphically (*Interpret*)
- Calculate the slope of a line and write the equation of a line in slope-intercept form (Calculate)
- Interpret the slope and intercepts of a line (Interpret)
- Graph lines by hand given a point and the slope (*Represent*)
- Graph lines written in general form *(Represent)*
- Find the equation of a line given a point and the slope of the line, or given two points on the line (*Calculate*)
- Find the equation of vertical and horizontal lines *(Calculate)*
- Find the equation of perpendicular and parallel lines *(Calculate)*
- Write the standard form of the equation of a circle by completing the square (*Calculate*)
- Graph circles whose equations are given in standard form (*Represent*)

Functions and Their Graphs – Chapter 3

Students will be able to...

- Determine whether a relation represents a function (Interpret)
- Evaluate functions (Calculate)
- Evaluate the difference quotient where *f* is linear or quadratic *(Calculate)*
- Find the domain of y = f(x) where f is a polynomial, rational, or root function (Interpret)
- Form the sum, difference, product, and quotient of two functions (*Calculate*)
- Identify the graph of a function using the Vertical Line Test (Interpret)
- Determine Even and Odd functions from a graph as well as from an equation (*Interpret*)
- Use the graph of a function to determine where the function is increasing, decreasing, or constant (*Interpret*)
- Use the graph of a function to locate local and absolute maxima and local minima (Interpret)

Functions and Their Graphs – Chapter 3

Students will be able to...

- Find the Average Rate of Change of a function (Calculate)
- Graph the "Library of Functions": y = x, $y = x^2$, $y = x^3$, $y = \sqrt{x}$, $y = \sqrt[3]{x}$, $y = \frac{1}{x}$, y = |x| (Represent)
- Graph piecewise-defined functions by hand and evaluate (*Represent*)
- Transform the "Library of Functions": stretch, compress, horizontally and vertically shift, reflect (Represent)
- Use modeling to solve problems involving maximizing area and volume (Represent)

Linear and Quadratic Functions – Chapter 4

Students will be able to ...

- Build linear and quadratic models from verbal descriptions (Model)
- Distinguish between linear and non-linear relations (Interpret)
- Graph quadratic functions using transformations (*Represent*)
- Graph a quadratic function by hand by finding its vertex, axis of symmetry, and intercepts (Represent)
- Find the maximum or minimum value of a quadratic function algebraically (Calculate)
- Use graphing technology to build quadratic and linear regression models from data (Model)

Polynomial and Rational Functions – Chapter 5

Students will be able to...

- Identify polynomial functions and their degree (Interpret)
- Identify the real zeroes of a factored polynomial function and their multiplicity (Interpret)
- Determine end behavior, intercepts turning points, domain range of a polynomial in factored form (Interpret)
- Graph a polynomial function in factored form by hand (*Represent*)
- Use the rational zeroes theorem to list the potential zeroes of a polynomial function (*Calculate*)

Exam 3 – 15% of course grade

Polynomial and Rational Functions – Chapter 5

Students will be able to...

- Find the rational and complex zeroes of a polynomial by hand (in either standard of factored form) (Calculate)
- Find the domain of a rational function *(Interpret)*
- Find the vertical, horizontal, and oblique asymptotes of a rational function (Interpret)
- Analyze the graph of a rational function by finding domain, intercepts, and asymptotes (Interpret)
- Graph a rational function by hand *(Represent)*

Exponential and Logarithmic Functions – Chapter 6

Students will be able to...

- Form a composite function *(Calculate)*
- Find the domain of a composite function (*Interpret*)
- Determine whether a function is one-to-one (Interpret)
- Obtain the graph of the inverse function from the graph of the function *(Represent)*
- Find the inverse of a function defined by an equation (Calculate)
- Evaluate exponential functions (Calculate)
- Graph exponential functions (*Represent*)
- Convert from exponential to logarithmic form and vice versa (*Represent*)
- Evaluate simple logarithmic expressions without a calculator (Calculate)
- Determine the domain of a logarithmic function (Interpret)
- Work with properties of logarithms (Calculate)
- Use the change of base formula to evaluate logarithms (*Calculate*)
- Solve logarithmic and exponential equations algebraically (Calculate)
- Solve logarithmic and exponential equations graphically (Interpret)

Build exponential and logarithmic models from data using regression (Model)

VI. Course Schedule

Week	Day	Date	Sections	Topic/Reading
1	Monday	1/15/18	No Class	Martin Luther King Jr. Day
	Wednesday	1/17/18	Syllabus & 1.3	Solving Quadratic Equations
2	Monday	1/22/18	1.5, 2.1	Radical Equations, Equations Quadratic in
				Form, Intercepts and Symmetry
	Wednesday	1/24/18	2.2	Lines & Catch-Up
				HW QUIZ 1.3
3	Monday	1/29/18	2.3	Circles
	Wednesday	1/31/18	3.1	Functions – HWQ 1.5,2.1,2.2
4	Monday	2/5/18	3.2	The graph of a Function
	Wednesday	2/7/18	3.3	Properties of Functions – HWQ 2.3,3.1
5	Monday	2/12/18	Review for Exam	Review for Exam #1/Catch-Up
	Wednesday	2/14/18	Exam #1	Exam #1
6	Monday	2/19/18	3.4	Library of Functions, Piecewise-Defined
				Functions
	Wednesday	2/21/18	3.5	Graphing Techniques and Transformations HWQ 3.2, 3.3
7	Monday	2/26/18	4.2, 4.4	Building Linear Functions from Data, Building
				Quadratic Functions from Data
	Wednesday	2/28/18	4.3	Quadratic Functions and Their Properties HWQ 3.4, 3.5
8	Monday	3/5/18	5.1	Polynomial Functions
	Wednesday	3/7/18	5.2	Real Zeros – HWQ 4.2,4.3,4.4
9	Monday	3/12/18	Review for Exam	`Review for Exam #2 & Catch-Up
	Wednesday	3/14/18	Exam #2	Exam #2
		3/19-3/23	No Class	Spring Break
10	Monday	3/26/18	5.3	Complex Zeros
	Wednesday	3/28/18	5.4	Properties of Rational Functions
1.1		4/0/10		HWQ 5.1,5.2
11	Monday	4/2/18	5.5	The Graph of a Kational Function
	Wednesday	4/4/18	6.1 & 6.2	Composite Functions, One-to-One Functions; Inverses – HWQ 5.3,5.4
12	Monday	4/9/18	6.3	Exponential Functions
	Wednesday	4/11/18	6.4	Logarithmic Functions – HWQ 5.5,6.1,6.2
13	Monday	4/16/18	Review for Exam	Review for Exam #3 & Catch-Up
	Wednesday	4/18/17	Exam #3	Exam #3
14	Monday	4/23/18	6.5	Properties of Logarithms
	Wednesday	4/25/18	6.6	Logarithmic and Exponential Equations HWQ 6.3, 6.4
15	Monday	4/30/18	6.8	Exponential Growth and Decay Models/Logistic Growth
	Wednesday	5/2/18	Review for Final	Review for Uniform Final Exam

			HWQ 6.5, 6.6
Saturday	May 5th	9:00-12:00	Uniform Final Exam

*Any changes made to assignment due dates will be announced in class and posted on Canvas

VII. Assignments

Exams: There will be three in-class exams worth 15% of your grade *each* plus a comprehensive uniform common final exam worth 20% of your grade. You must bring your student I.D. card to each exam.

Final Exam:	Saturday, May 5th , 9-12 Room-TBA
Exam #3:	Wednesday, April 18 th
Exam #2:	Wednesday, March 14 th
Exam #1:	Wednesday, Feb. 14 th

Homework Assignments:

1. **Online Homework** : This will be assigned over MyMathLab (CourseCompass) and will be automatically graded by the computer. With this software you have unlimited attempts at a problem so you have every possibility of attaining a 100% on each of these assignments! Late assignments will be accepted over MyMathLab up until the exam which covers that material, but will accrue a 20% penalty if they are turned in late (this penalty will be automatically induced by the program if you work on the assignment after the deadlines and will only be taken on individual problems worked after the deadline has passed). There will be approximately 13 online assignments and *your lowest two scores will be dropped*. You must pass the Pre-Requisite Skills/Review Assignment on MML with an 80% or above BEFORE any of the other Homework assignments will be open for you to work on. (So you should start working on that assignment early).

Online assignments are due each Monday by the end of the day (11:59 p.m.)

2. Written Homework/Quizzes: The second portion of the assignment will be a quiz over a short set of problems from the textbook that I assign at the beginning of the week. Any hand written solutions to the homework can be used on the quiz (which will involve questions VERY SIMILAR to that homework assignment). This weekly quiz will give you an opportunity to write up problems and receive feedback on your final answers before the exams. Quizzes can only be made up for excused absences (verified with appropriate documentation) and must be made up within one week of the actual quiz date. No assignments or quizzes will be accepted or graded more than one week after the original due date. There will be approximately 11 quizzes throughout the semester and your *lowest two scores will be dropped*.

You are able to work together in doing homework assignments, however, copying someone's assignments will not be tolerated. If this occurs, all students involved will receive no credit on the assignment. Remember **only hand written** homework assignments may be used on the quizzes.

Desmos Techtivities or Algebra Application Projects: Three problems will be assigned during the semester that will be an extension to the homework assignments. These problems will require the use of Desmos a free online graphing utility. You will have approximately two weeks to complete the problem and they will count toward your homework/quiz grade. Desmos Techtivities & Algebra Application Problems will incur a 20% penalty for each class period that they are turned in late.

Recitation Participation and Activities: 10% of your final grade will be determined by your recitation participation and completion of recitation activities (Note, as participation is important attendance will be taken for recitation and factored into your recitation grade). Attendance credit will be based upon BOTH attendance AND your level of active participation throughout each recitation class period. If you are consistently late to recitation or leave for extended periods of time you will not receive recitation credit on that day.

Your recitation grade will be calculated for three different intervals. (1/3) of the points will be allocated based upon your attendance/participation at recitation previous to Exam #1, (1/3) of the points for attendance at recitation between Exam #1 and Exam #2, and (1/3) of the points for attendance at recitation between Exam #3.

VIII. Grading Summary

In-Class Exams:	45%
Final Exam:	20%
Homework Assignments/Quizzes/Techtivities/Application Problems	25%
Recitation Activities & Participation/Attendance	10%
Grading Scale:	

A:	92-100%
A-:	90-91.99%
B+:	88-89.99%
B:	82-87.99%
B-:	80-81.99%
C+:	78-79.99%
C:	70-77.99%
D	60-69.99%
F:	Below 60%

Computing Technology – You will be required to use the freely available Desmos program throughout the semester. It would be useful to be able to bring in a Laptop or Tablet in order to use Desmos on the designated Techtivity days.

IX. Grade Dissemination

Graded homework/quizzes and tests will be returned during the following class meeting. Course grades will be updated in the Canvas gradebook weekly, which can be found at <u>https://ucdenver.instructure.com/</u>. CU Denver utilizes web grading which is accessed through UCDAccess. Web grading information can be found by going to <u>www.ucdenver.edu/student-services/registrar/faculty-staff/</u>

COURSE PROCEDURES

X. Course Policies - Grades

Attendance Policy:

CU Denver Student Attendance and Absences Policy can be found at:

http://www.ucdenver.edu/faculty_staff/employees/policies/Policies%20Library/OAA/StudentAttendance.pdf

Extra Credit Policy: Extra credit will not be offered so work hard from day 1.

Assessment Make-up Policy:

- **Quizzes** Can only be made up for excused absences (verified with appropriate documentation) and must be made up within one week of the actual quiz date. Makeups must be arranged with the instructor during office hours.
- **Exams** If circumstances arise that prevent you from attending an exam, please contact me ahead of time as I will be much more lenient. Unexplained absences will require hard evidence such as a death certificate, hospital paperwork, etc.
- Final Exam The final exam will be a comprehensive uniform final examination which will occur on Saturday, May 5th from 9-12. The room location will be announced the week before the final. Alternate final exam dates/times are offered in extremely rare circumstances and must be approved by the course captain in advance with documentation provided. Conflicts due to travel plans and work schedules will not be accommodated.

Incomplete Policy: Incomplete grades (I) are not granted for low academic performance. To be eligible for an Incomplete grade, students must (1) *successfully* complete at least 75 percent of the course, (2) have special circumstances (verification may be required) that preclude the student from attending class and completing graded assignments, and (3) make arrangements to complete missing assignments with the original instructor using a CLAS Course Completion agreement.

XI. Course Policies - Technology and Media

Email – Students can communicate with me regarding attendance, meeting arrangements, grades, and/or questions regarding the course content, assignments, and due dates. You may also send me a message via Canvas. I will check by my CU Denver email and Canvas daily, excluding weekends.

MyMathLab Technical Difficulties – Please contact Pearson Support. You can find a link on http://www.pearsonmylabandmastering.com/northamerica/. In most cases I will not be able to help with these types of issues, but feel free to email me so that I can be more lenient with due dates if necessary.

XI. Getting Help

Instructor Office Hours/By Appointment Feel free to see me with questions not answered during lecture, additional explanation, or homework assistance.

MERC Lab There are Teaching Assistants available to answer your questions in the MERC lab in the North Classroom Building (NC) room 4015. This is an excellent resource! Check with the lab to see their schedule. Try to form a study group to study and learn with; it really works for some people! Realize that there are many ways of learning and a study group may be helpful for you.

<u>Academic Success and Advising Center</u> Helps new freshmen and transfer students through academic advising, schedule planning, time management, personal support and referrals to other on-campus resources.

<u>Career Center</u> The center assists and guides students with understanding and leveraging their skills, personality, values and interests as they choose an academic major and determine a career direction. Services include job search and strategies, resume development and writing, practice interviews and salary negotiation. Employers may benefit from online job posting, resume referrals, on-campus interviewing, career fairs, employer presentations, and networking events.

Disability Resources and Services Office DRS serves the needs of a large and diverse community of students with disabilities, providing accommodations including: assistance in identifying volunteer note-takers, alternative testing, textbooks in alternate format, priority registration, interpreters and referral to the Access center.

First-Year Experience The First Year Experience (FYE) is a comprehensive approach to ensure first year students make a successful transition to college.

Learning Resource Center The Center provides individual and group tutoring, Supplemental Instruction (SI), study skills workshops and ESL support. UCD students are eligible for 1 hour of free tutoring per week.

Scholarship / Resource Office Information about scholarships and guidance on the scholarship application process.

The University of Colorado Denver provides many other services and resources. See http://www.ucdenver.edu/life/services/Pages/index.aspx

XII. Academic Honesty

Students are required to know, understand, and comply with the CU Denver Academic Dishonesty Policy as detailed in the Catalog and on the CLAS website. Academic dishonesty consists of plagiarism, cheating, fabrication and falsification, multiple submission of the same work, misuse of academic materials, and complicity in academic dishonesty. If you are not familiar with the definitions of these offenses, go to

http://www.ucdenver.edu/academics/colleges/CLAS/faculty-staff/policies/Pages/DefinitionofAcademicDishonesty.aspx. This course assumes your knowledge of these policies and definitions. Failure to adhere to them can result in possible

penalties ranging from failure of this course to dismissal from the University; so, be informed and be careful. If this is unclear to you, ask me. The College of Liberal Arts and Sciences (CLAS) Ethics Bylaws allow the instructor to decide how to respond to an ethics violation, whether by lowering the assignment grade, lowering the course grade, and/or filing charges against the student with the Academic Ethics Committee. Violating the Academic Honor Code can lead to expulsion from the University.

Definition of Academic Dishonesty

Students are expected to know, understand, and comply with the ethical standards of the University. In addition, students have an obligation to inform the appropriate official of any acts of academic dishonesty by other students of the University. Academic dishonesty is defined as a student's use of unauthorized assistance with intent to deceive an instructor or other such person who may be assigned to evaluate the student's work in meeting course and degree requirements. Examples of academic dishonesty include, but are not limited to, the following:

Plagiarism: Plagiarism is the use of another person's distinctive ideas or words without acknowledgment. The incorporation of another person's work into one's own requires appropriate identification and acknowledgment, regardless of the means of appropriation. The following are considered to be forms of plagiarism when the source is not noted:

- 1. Word-for-word copying of another person's ideas or words.
- 2. The mosaic (the interspersing of one's own words here and there while, in essence, copying another's work).
- 3. The paraphrase (the rewriting of another's work, yet still using their fundamental idea or theory).
- 4. Fabrication of references (inventing or counterfeiting sources).
- 5. Submission of another's work as one's own.
- 6. Neglecting quotation marks on material that is otherwise acknowledged.

Acknowledgment is not necessary when the material used is common knowledge.

Cheating: Cheating involves the possession, communication, or use of information, materials, notes, study aids or other devices not authorized by the instructor in an academic exercise, or communication with another person during such an exercise. Examples of cheating are:

- 1. Copying from another's paper or receiving unauthorized assistance from another during an academic exercise or in the submission of academic material.
- 2. Using a calculator when its use has been disallowed.
- 3. Collaborating with another student or students during an academic exercise without the consent of the instructor.

Fabrication and Falsification: Fabrication involves inventing or counterfeiting information, i.e., creating results not obtained in a study or laboratory experiment. Falsification, on the other hand, involves deliberately alternating or changing results to suit one's needs in an experiment or other academic exercise.

Multiple Submissions: This is the submission of academic work for which academic credit has already been earned, when such submission is made without instructor authorization.

Misuse of Academic Materials: The misuse of academic materials includes, but is not limited to, the following:

- 1. Stealing or destroying library or reference materials or computer programs.
- 2. Stealing or destroying another student's notes or materials, or having such materials in one's possession without the owner's permission.
- 3. Receiving assistance in locating or using sources of information in an assignment when such assistance has been forbidden by the instructor.
- 4. Illegitimate possession, disposition, or use of examinations or answer keys to examinations.
- 5. Unauthorized alteration, forgery, or falsification.
- 6. Unauthorized sale or purchase of examinations, papers, or assignments.

Complicity in Academic Dishonesty: Complicity involves knowingly contributing to another's acts of academic dishonesty.

Student Code of Conduct: As members of the University community, students are expected to uphold university standards, which include abiding by state civil and criminal laws and all University policies and standards of conduct. These standards are outlined in the student code of conduct which can be found at:

http://www.ucdenver.edu/life/services/standards/students/Pages/default.aspx

The following policies, procedures, and deadlines pertain to all students taking courses in the College of Liberal Arts and Sciences (CLAS). They are aligned with the Official University Academic Calendar found on the <u>Registrar's website</u>.

Schedule Verification

It is each student's responsibility to verify that their official registration and schedule of courses is correct in UCDAccess (*not* Canvas) before courses begin and by the university census date. Failure to verify schedule accuracy is not sufficient reason to justify post-census date adds. Access to a course through Canvas is not evidence of official enrollment.

Email

Students must activate and regularly check their official CU Denver email account for university related messages. Note: Canvas is not the location to access your CU Denver email account. Log into http://www.ucdenver.edu/email/Pages/login.aspx

Administrative Drops

Students may be administratively dropped if they do not meet the pre- and/or co-requisites for a course as detailed in the UCDAccess registration system. Students may also be administratively dropped from a course if the course syllabus articulates attendance expectations prior to census date and they do not meet those attendance expectations. Please note: this procedure does not apply to all courses and students should not rely upon it; if students plan to no longer complete a course, they are responsible to drop or withdraw from the course.

Post-Census Date Adds and Late Withdrawals

Post-census date adds (i.e., adding a course after census date) require a written petition, verifiable documentation, and dean's approval via CLAS Advising. Late withdrawals (i.e., withdrawing from one or more full-semester courses after the withdrawal deadline but before the late withdrawal deadline) require a Late Withdrawal Petition submitted to CLAS Advising (NC 1030 – 303-315-7100). If petitioning to late-withdraw from individual courses, instructor signatures are required. If petitioning to late-withdraw from the entire semester, instructor signatures are not required. Contact CLAS Advising (NC 1030 – 303-315-7100) for more information on post-census date adds and late withdrawals.

Co-Requisites and Drops/Withdrawals

Students dropping a course with co-requisite(s) before or by census date must drop the course and co-requisite(s). After census date, students withdrawing from a course with co-requisite(s) before or by the withdrawal deadline must withdraw from the course and co-requisite(s). After the withdrawal deadline, until the late withdrawal deadline, students may be able to withdraw from a course or co-requisite(s) based on instructor permission and approval of a Late Withdrawal Petition.

Waitlists

The Office of the Registrar notifies students via their CU Denver email account if they are added to a course from a waitlist. Students will have access to Canvas when they are on a waitlist, but this does not indicate that the student is officially enrolled or guaranteed a seat in the course. If a student is not enrolled in a course after waitlists are purged, instructor permission is required for the student to enroll in the course. The student must complete a Late Add Form and submit it to the Registrar's Office (SCB 5005) by census date in order to enroll in the course.

Applicable Forms			
Schedule Adjustment Form	Submit	to Registrar (SCB 5005)	
Purpose:	Approval Signatures Required:	Dates:	
Receive an academic overload	Student and CLAS Advising	before Jan. 31 (5pm)	
	signatures		
Receive a time conflict override	Student and instructor signatures	before Jan. 31 (5pm)	
Designate a course pass/fail or no credit	Student signature	before Jan. 31 (5pm)	
Withdraw from an intensive course before the withdrawal deadline	Student signature	Feb. 1 – April 1 (5pm)	
Late Add Form	Add Form Submit to Registrar (SCB		
Purpose:	Approval Signatures Required:	Dates:	
Add a course after the add deadline but before census date	Student and instructor signatures	Jan. 22 – Jan. 31 (5pm)	
Post-Census Date Add Petition Visit CLAS Advising (NC 1030) for more		0) for more information	
Purpose:	Approval Required:	Dates:	
Petition to add one or more full-semester courses after census date	Submitted petitions are reviewed by	after Jan. 31	
(verifiable documentation required)	the CLAS Assistant Dean		
ate Withdrawal Petition	Submit to (CLAS Advising (NC 1030)	

Purpose:

Approval Signatures Required: Dates:

Petition to late-with before the lat	thdraw from a course after the withdrawal deadline but e withdrawal deadline	Student and instructor signatures	April 2 – May 2 (5pm)	
Petition to late-withdraw from all courses in the semester after the withdrawal deadline but before the late withdrawal deadline Student signature April 2 – May 2 (5pm)				
	Academic Cal	endar		
January 16	Beginning of Semester – First day of classes.			
January 21 (11:59 pm)	Add Deadline – Last day to add or waitlist a course using UCDAccess. After the add deadline but before census date, instructor permission on a Late Add Form is required to add courses.			
January 22 (11:59 pm)	Drop Deadline – Last day to drop a course without \$100 drop fee, including section changes (i.e., changing to a different section of the same course). Students may drop courses using UCDAccess.			
	No Adding of Courses is Permitted Today			
	Waitlists Purged – All waitlists are eliminated today. Stude in which they are officially enrolled. Canvas does not reflect o	nts should check their schedule in UCDA fficial enrollment.	ccess to confirm the courses	
January 31 (5 pm)	Final Add Deadline (Instructor Permission Required) Last day to add full-semester courses. To add a full-semester course between the first add deadline and census date, instructor permission on a <u>Late Add Form</u> is required. Students may submit a completed <u>Late Add Form</u> to the Registrar's Office (SCB 5005). After census date, a written petition, verifiable documentation, and dean's approval via CLAS Advising (NC 1030 – 303-315-7100) are required to add a full-semester course. If a student's post-census date add petition is approved, the student will be charged the full tuition amount. College Opportunity Fund (COF) may not apply to courses added late, and these credits may not be deducted from students' lifetime hours.			
ensus Date	Final Drop Deadline Last day to drop full-semester courses with a financial adjustment. Each course dropped, including section changes, between the first drop deadline and census date generates a \$100 drop fee. Students may drop courses in UCDAccess. After census date, withdrawal from courses appears on transcripts with a grade of "W," and no financial adjustment is made. After census date but before the withdrawal deadline, students may withdraw from full-semester courses using UCDAccess (instructor permission is not required).			
0	Last day to apply for graduation. Undergraduates are expected to make an appointment to see their academic advisors before census date to apply for graduation. Graduate students must complete the Intent to Graduate and Candidate for Degree forms.			
	Pass/Fail, No Credit Deadline – Last day to request No Credit or Pass/Fail grade for a course using a <u>Schedule Adjustment</u> Form.			
March 19 – 25	Spring Break – No classes. Campus open.			
April 1 (11:59 pm)	Withdrawal Deadline After census date, students may withdraw from full-semester withdraw from an intensive course, students may use a <u>Schee</u> Withdrawal from courses appears on transcripts with a grade After the withdrawal deadline but before the late withdrawal <u>Withdrawal Petition</u> to CLAS Advising (NC 1030 – 303-315-7 information. After census date, students withdrawing from a course with co from the course and co-requisite(s). After the withdrawal dea withdraw from a course or co-requisite(s) based on instructor	courses using UCDAccess (instructor per dule Adjustment Form. e of "W" and no financial adjustment is m deadline, students may late-withdraw b 100). Contact CLAS Advising (NC 1030 – co-requisite(s) before or by the withdraw adline, until the late withdrawal deadline r permission and approval of a Late Wit	ermission is not required). To hade. y submitting a <u>Late</u> 303-315-7100) for more val deadline must withdraw e, students may be able to <u>hdrawal Petition</u> .	
May 2 (5 pm)	Late Withdrawal Deadline Last day to petition to late-withdraw from one or more full-semester courses. Students may petition to late-withdraw by submitting a Late Withdrawal Petition to CLAS Advising (NC 1030 – 303-315-7100). If petitioning to late-withdraw from individual courses, instructor signatures are required. If petitioning to late-withdraw from the entire semester, instructor signatures are not required. Contact CLAS Advising (NC 1030 – 303-315-7100) for more information. After the withdrawal deadline, until the late withdrawal deadline, students may be able to withdraw from a course with co- requisite(s) based on instructor permission and approval of a Late Withdrawal Petition. After the late withdrawal deadline (or after grades are posted, whichever is sooner), only retroactive withdrawals are considered and verifiable documentation is required. Contact CLAS Advising (NC 1030 – 303-315-7100) for more information on retroactive withdrawals			
May 7 – 12	Finals Week			
May 12	End of Semester			
	Commencement Ceremony			

May 17Final Grades Available – Official grades available in UCDAccess and transcripts (tentative). Canvas does not display final grades.June 22Degrees Posted – Degrees posted for graduating students on transcripts.

College Algebra Survey

1. Name

2. Major

- 3. Total number of credit hours you are taking this semester.
- 4. Briefly explain your background in mathematics. When and where did you take your last math course?
- 5. How much mathematics is required for your major? Do you consider yourself good at math?

6. What if any experience do you have with graphing calculators and or graphing software such as Desmos?

7. What are your favorite hobbies/interests (other than mathematics of course). {I try to use these when I develop your application problems/activities}.

8. Anything else you want to share about yourself?