Syllabus: Math 1080-003
Spring 2021

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COURSE DESCRIPTION, INSTRUCTOR, AND LA INFORMATION

Course Description:

- **Course Number and Title:** Math 1080-003, PreCalculus
- **Semester and Year:** Spring 2021
- **Course Overview:** Math 1080, Precalculus, provides an accelerated review of college algebra and trigonometry as a preparation for calculus and other courses. My goal as an instructor is to provide a well-structured course in which each student is successful, enjoys the learning experience, and gains skill and confidence in logical reasoning.
  Precalculus is a 5-credit class. In order to have quality time in class to spend on many topics, some of the topics are covered outside of class through required videos and readings. Between preparation, homework, and studying, students should expect to spend 15-20 hours in addition to class on Math 1080 material. Some students will get by with less; other students may need more time.
  You can obtain the same prerequisite by taking Math 1080 as by taking Math 1050 followed by Math 1060 and all of these courses satisfy the University QA requirement. Math 1080 is targeted towards students who will take calculus. If Math 1050/1060/1080 is not required by your major or as a prerequisite, you are encouraged to investigate Math 1030 or Math 2000 to fulfill the requirement.
- **Days and Times:** M-F 9:40-10:30, zoom information provided in Canvas

Instructor Information:

- **Instructor**: Justin Baker
- **Email**: baker@math.utah.edu
- **Zoom Office Hours:** times/sign up information/zoom handle to be posted in Canvas
- **Accessibility & Support**: Please ask questions in class, before or after class (at the same Zoom link), in office hours (sign up for a 15-minute slot – details in Canvas), or by e-mail or Canvas mail. I try to respond to e-mail the morning after it comes in, so if you write at noon on Monday, look for a response on Tuesday morning.

COURSE DETAILS

- **Course Type:** IVC (Interactive video classes, also called synchronous online)

- **Prerequisite:** At least a B grade in Math1010 or Math1050 or Math1060 OR Math ACT score of at least 24 OR Math SAT score of at least 560 OR Accuplacer CLM score of at least 65 (within the last two years). **Important Note:** The mathematics department DOES enforce prerequisites for all undergraduate courses. If you were able to register for this class based on your enrollment in the prerequisite course last semester and you did not receive the minimum grade in that course to enter this class, then you will be dropped from this class on Friday of the first week of classes. If you are in this situation, it is in your best interest to drop yourself from this class and enroll in a class for which you have the prerequisites before you are forcibly dropped

- **Future Courses:** Most students who take Math 1080 plan to go on to calculus. A grade of C in Math 1080 is a prerequisite for Calculus 1, Math 1210. You can obtain the same prerequisite by completing Math 1050 and Math 1060.

- **Course Materials:**
  - **Textbook:** The course uses Math1050 College Algebra (2018) and Math 1060 Trigonometry, 1st Edition (2017). These texts were created by a Partnership Between Institutions in the Utah System of Higher Education. You can access the texts for free in Canvas.
  - **Additional course materials:**
    - The course website is in Canvas.
    - The course uses Online Homework through a system called IMathAs. This homework is free to students and can be accessed on Canvas.

        - The course will use online videos created for the Math 1050-90 and Math 1060-90 courses. They are available through the Canvas modules or in both streamable and downloadable versions at http://www.math.utah.edu/lectures/math1050New.html. and http://www.math.utah.edu/lectures/math1060New.html. There are video quizzes to be taken while watching the videos. These quizzes are available in Canvas.
        - We will use the online site, Gradescope, for grading and giving feedback on exams. There is a link in Canvas to Gradescope. You may be asked to submit some assignments directly to Gradescope.

- **Technical requirements:**
    - Because the class is IVC and exams will be given online, students are required to have access to the following equipment:
        - A strong internet connection with sufficient bandwidth (in order to participate in IVC classes, access course materials, and take exams):
        - A webcam on your computer or camera on your phone (this is required for taking quizzes and exams in Zoom; it is recommended for IVC lecture classes):
        - A scanning device which is different than the device you are using for your webcam (smartphones can be used as scanning devices)
        - a microphone (used for online meetings);
    - **Calculators** will be useful on some homework assignments, but **will not be allowed on exams** nor the final. If you do not have a scientific or graphing a calculator, there are free calculator applications online.
    - Students are expected to be computer literate and Canvas and zoom navigation skills are expected. Knowledge and navigation of canvas and zoom is critical to access all features and resources of this course.
    - Students are encouraged to participate in the IVC portion of class with camera turned on. Doing so improves learning and the classroom environment. Please mute microphone when not in use.
    - During quizzes and exams, students are required to have a camera that is turned on. Students need to position the camera and/or themselves so that their head, hands and workspace is visible. Students are required to have a separate scanning device and continue to have their Zoom camera turned on while scanning; during the scanning phase, students may be gone from the screen for a few seconds if this is prearranged with their instructor.
    - A printer is recommended, but not required, so that you can print out templates for quizzes and exams ahead of time. If you do not have a printer, you will need to make and use hand-written versions. You must copy these exactly and they are designed to be fast and straight forward to create by hand.

- **Attendance & Punctuality:** Students are expected to attend the synchronous online classes. (Classes will be recorded, but the class is designed with active participation in mind and students benefit most when present.) There will either be a small check-in assignment or a quiz or exam due in class. You need to be present in the online class in Zoom to participate in all of these assessments. Not being present during an assessment, but turning it in will be considered academic misconduct. Not being present during an assessment, but turning it in will be considered academic misconduct. However, a certain number of check-ins and quizzes will be dropped in order to accommodate for illness and other absences (See Late/Absent policy later in the syllabus.)

- **Video Recording of Classes:**
    - Classes will be recorded and link posted in Canvas. The links are good for 30 days. You are allowed to download classes (note the files are huge) and save them to have access to them after 30 days. If you are the first to arrive at class OR you speak during class, you will appear in the videos. (If you do not wish to appear, then try not to be the first one and use the chat, rather than speaking to communicate.)

- **UofU Learning Support:**
  - Math Center Online Tutoring, (Paid for by Your Student Fees) https://www.math.utah.edu/undergrad/mathcenter.php
  - The Learning Center, 3 free tutoring sessions, $5 after that, learning consultations https://learningcenter.utah.edu/
  - Student Success Advocates https://ssa.utah.edu/events.php

- **General Help:**
  - Here is information from the University about logistics in light of COVID-19. There is also information about financial assistance, counseling, the food pantry, and much more. https://coronavirus.utah.edu/#students

- **Equipment Help**

  - The UofU has a laptop and mobile hotspot loan program – laptops, mobile hotspots mailed to current U students on a first-come, first-served basis. You can find out more information about this through this link: https://union.utah.edu/covid-19/
  - For technical assistance, review the Canvas Getting Started Guide for Students https://community.canvaslms.com/docs/DOC-10701 and/or contact TLT, Knowledge Commons, etc.

- **COVID-19 Considerations:** The University of Utah requires that students self-report if they test positive for COVID-19 via coronavirus.utah.edu. Please also contact me (your instructor) to discuss whether accommodations are needed.

COURSE EXPECTED LEARNING OUTCOMES (ELOs)

College Algebra ELOs	Trigonometry ELOs
1. Sketch the graph 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 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, rational, exponential, and logarithmic equations and inequalities. 7. Define *i* as the square root of -1 and know the complex arithmetic necessary for solving quadratic equations with complex roots. 8. Give an equation or verbal description for a conic given a graph of the conic; given an equation of a conic, recognize the conic and be able to graph it and describe its attributes. ~~9. Perform matrix arithmetic computations.~~* ~~10. 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.~~ 11. Understand sequences and be able to differentiate between geometric, arithmetic and others such as Fibonacci-type sequences, giving direct formulas where available or a numeric representation. 12. Understand series notation and know how to compute sums of finite arithmetic and finite and infinite geometric series. 13. Represent and interpret physical world situations using exponential and logarithmic functions.	14. Understand trigonometric function definitions in the context of the right triangles and on the unit circle. 15. Graph basic trigonometric functions and those with basic transformations. Be able to write an equation given a graph. Identify amplitude, periods, phase shifts from graphic and algebraic representations of functions. 16. Represent solve physical world problems using trigonometric functions. 17. Use trigonometric inverses correctly, understanding the domain/range restrictions. 18. Verify trigonometric identities, using proper logic and use trigonometric identities to evaluate expressions. 19. Solve trigonometric equations. 20. Solve for all measurements in any triangle, using the Pythagorean Theorem, trigonometric functions, the Law of Sines, and Law of Cosines in a variety of contexts and applications. 21. Be able to convert to and from rectangular and trigonometric-form coordinates (polar coordinates). 22. ~~Graph complex numbers in a plane, perform operations on such numbers and interpret this graphically, and use DeMoivre's theorem to find roots and powers of complex numbers~~. ~~23.~~ Understand geometry and arithmetic operations with vectors ~~and use vectors in application problems.~~ * Those topics which are stuck through will not be covered this semester. Anyone interested in learning more about these areas should ask their instructor for resources.

COURSE DESIGN

- **Lectures:** Some material in this course is presented in class via interactive lectures. Other material is first presented in videos and students will have the chance to ask questions and practice problems on this material in class. All classes are held in Zoom, with lots of opportunities for student engagement. Active Participation is encouraged. Students should refer to the Course Schedule to see what topic is being covered on what day.

- **Video Quizzes:** For sections covered outside of class, students will be expected to watch videos. These videos were produced by the UofU math department. Intermittently during the videos, students will be asked quiz questions. These questions help students reflect on important ideas and facts in the videos. Videos with quizzes are found in Canvas. The video quizzes will be due at 11:59 pm the night before the material is needed in class; the same videos without the quizzes can be accessed at any time through the UofU math department webpage. If students miss questions on Video quizzes, they can review the material and create their own questions for half credit back.

- **Check-ins:** There will be a check-in survey at the end of class on days when there are not quizzes or exams. You must attend class to take the check-in. At the end of the semester, 25% of the check-in grades will be dropped.

- **Homework:** Homework is done online through Canvas. (We use the ImathAs platform). There will be 3 or 4 HW assignments most weeks, or about 45 in total. HW is due Wednesdays and Fridays. Because this class moves quickly, there are often only a few days between when a topic is covered in class and when the related HW is due; 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 the mathematics.) Students may submit HW late for 80% credit.

- **Successful habits:** Each week you will be asked to review the quiz from the previous week and complete one task that contributes to your learning and success in this and future courses. Options include
    - Making 4 posts in the Canvas discussions that contain your math thoughts. You can post questions about homework. help classmates, or write about topics related to this course that interest you;
    - Working with a classmate to lead a study-session on a particular topic for other students in the class (announce these 48 hours head of time.);
    - Spending some time in office hours. Office hours are the times that I set aside to talk with students. (To get these points, don't just pop-in and out of office hours, but spend time talking about ideas from class, homework, learning strategies, etc.)
    - Submitting each assignment that is due that week 48 hours before it is due. You should have attempted all problems and completed 50% of them. If you are stuck on any problems, write notes in the margins about questions to ask about them.

  Other options will be offered as they come up. If you complete more than one option in a given week, you will earn extra credit. You will need to report which option(s) you chose and answer a few other questions in Canvas each week by Friday night.

- **Quizzes and Exams:** There will be quizzes or exam every Monday, testing the material from the previous week (quizzes) or 3 weeks (exams). Quizzes and exams will have a few problems to be done beforehand and most of the problems should be done in class. During quizzes and exams, students are required to be logged into Zoom, to have their camera on and their head, hands, and workspace be visible. For quizzes, students will have some time to discuss the quiz within a group; exams are done individually. At the end of the quiz or exam, students will scan their work and upload it to Gradescope, the grading website. Student may ask questions during the exam through the Chat feature in Zoom.

Students will have 40-45 minutes plus time to scan and upload on quizzes and exams. For the MTWHF sections, this means the whole class period. For the MWF sections, a portion of the class will be spent on new material.

Students are expected to use a printed or a hand-copied template for each quiz and exam. This makes grading more efficient. There will be a penalty for not doing so. The template and the problems to be done beforehand will be made available on Thursday night. Students may use one page of notes which they create themselves; for quizzes this is optional; for exams it is required. The resources that can be used for the out-of-class problems will be explained in class. For the in-class portion, student can only use the page of notes. Using other resources (calculators, online resources, etc.) is academic misconduct.

- **Final Exam:** All Math 1080 students take a final exam at the same time, which is assigned by the university (see the date and time below.) The final exam will consist of three blocks with short breaks in between. It will be proctored in Zoom, similar to what was done for Exams. Block A will cover material not covered on previous exams. It is required. Blocks B and C provide the opportunity to retest on past material. You can choose two exams from Exam 1 – 4 and retest on that material. Your highest score on the material will be used. You may also opt to not take Block B or Block C of the final exam if you are satisfied with previous test scores.

CLASS SCHEDULE & IMPORTANT DATES

Weekly Deadlines:

- Homework – due Wednesday and Fridays at 11:59 pm (grace period through 5 am the next day)
- Quizzes – available on Thursday nights, due in class on Mondays (on weeks with Monday holidays, due on Tuesdays)
- Check-ins – due in class on Wednesdays and Fridays
- Successful Habit Reporting – due on Fridays (grace period through 5 am the next day)

Important Dates:
Classes begin: Tuesday, January 19
Last day to add without a permission code/wait list: Friday, January 22
Last day to add or drop classes: Friday, January 29
Exam 1: Monday, February 8th
Presidents Day (no class) Monday, February 15
Exam 2: Monday, March 1st
Non-instructional Day (no class): Friday, March 5
Last day to withdraw from classes: Friday, March 12
Exam 3: Monday, March 22nd
Non-instructional Day (no class): Monday, April 5
Exam 4: Monday, April 12th
Classes end: Tuesday, April 27
Reading Day (no classes): Wednesday, April 28
Final Exam: Monday, May 3rd, 3:30-5:30 pm

A tentative schedule of the topics for this class is attached to the end of the syllabus.

ASSIGNMENTS, ASSESSMENT & GRADING

Assignment Category	Contribution to Grade	Adjustments (all drops made at end of semester)
Homework	17%	Lowest 5 dropped; Late HW for 80% credit
Quizzes	14%	Lowest 2 dropped
Successful Habits	4%	Lowest 2 dropped

Video Quizzes	3%	Lowest 25%; Can review material and submit their own questions/answers for half credit back.
Check-Ins	2%	Lowest 25% dropped
Exams 1-4	48% (12% each)	Can retake 2 of these on the final exam
Exam 5 (on Final)	12%	

Extra credit, worth around 3% of the grade can be earned by doing multiple successful habits in a week, helping spot errors in the course, and via other opportunities announced in class.

Grading Scale:

A [93-100),	B- [80-83),	D+ [67-70),
A- [90-93),	C+ [77-80),	D [60-67),
B+ [87-90),	C [73-77),	D- [50-60),
B [83-87),	C- [70-73),	E [0-50).

Regrading Policy: If a grade is recorded incorrectly, it is the student's responsibility to let the instructor know in a timely manner (at the latest within 2 weeks of when the grade was recorded.)

Late/Makeup Work: The course is designed to provide flexibility if you occasionally cannot turn work in on time. A certain number of scores at the end of the semester are dropped and there is an option to turn in HW late for 80% credit. But in general, you are expected to turn things in on time and take quizzes and exams at the times given. 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.

The University of Utah student code allows for making up quizzes or exams in advance for "officially sanctioned University Activities …, or government obligations, or religious obligations". Please contact me at least one week in advance of any
events.

Credit/No Credit Option:

- If you are taking Math 1080 to meet a major or minor requirement, then you should opt for a letter grade, rather than credit/no credit (CR/NC).
- If you are taking Math 1080 as a prerequisite, it is easiest if you opt for a letter grade. You need a C or better to enroll in Math 1210 (Calculus) or 1310 (Calculus for Engineers). But if you choose to take Math 1080 CR/NC, when you want to enroll in the subsequent class, you will need to request a permission code. The permission code team will look up whether the underlying grade meets the requirements.
- This is the official University description of the credit/no credit option: "The credit/no credit (CR/NC) option allows a student to enroll in selected courses outside of his/her academic plan, without the pressure of competing for a letter grade. By electing CR/NC, students are expected to complete the same work as students enrolled for letter grades." If you are interested in credit/no credit, consult the following:
    - University guidelines: https://catalog.utah.edu/#/policy/B12v3LX0G?bc=true&bcCurrent=Grading%20Poli
    - Dates for Choosing CR/NC https://registrar.utah.edu/academic-calendars/spring2021.php
    - Consider speaking with an academic advisor to determine whether this is a good option.

Incompletes:
According to university policy, to be considered for an incomplete, a student must have 20% or less of the course work remaining and be passing the course with a C or better. You must request an incomplete grade and I will consider giving that grade only under exceptional circumstances.

COMMUNICATION

- All course materials, such as lecture slides, assignments, solutions, grades, etc. will be posted on the Course Canvas site.
- Class announcements will be done via email through the Canvas server and in the Canvas announcements page. You will be responsible for any information contained in them as well as the information announced in class. Students are also strongly advised to set up notifications for canvas so they do not miss any important notifications.
- It is your responsibility to also regularly check your Umail (make sure you set up forwarding if you do not check it regularly), your Umail is the only way for me to communicate privately with you, there will be occasions during the semester that we may need to reach out to you individually (e.g. regarding a grade or assignment) and it is in your best interest to respond promptly.
- Feel free to contact me by email for questions, I will do my best to answer emails within 24 hours. I would like to encourage you to email me only if it is something personal that requires individual attention, if instead you have questions about logistics of the class, course material and assignments, and anything else your classmates may wonder as well, please post a question on the Discussions Board instead. This way the information is shared quickly to the entire class, and each of you can benefit from seeing other classmates' questions.

NETIQUETTE - EXPECTATIONS FOR ONLINE LEARNING ENVIRONMENT

- Respectful participation in all aspects of the course will make our time together productive and engaging. Zoom lectures, discussion threads, emails and canvas are all considered equivalent to classrooms and student behavior within those environments shall conform to the student code. Specifically:
    - Posting photos or comments that would be off-topic in a classroom are still off-topic in an online posting.
    - Disrespectful language and photos are never appropriate.
    - Using angry or abusive language is not acceptable, and will be dealt with according to the Student Code. The instructor may remove online postings that are inappropriate.
    - Do not use ALL CAPS, except for titles, or overuse certain punctuation marks such as exclamation points and question marks.
    - Course e-mails, e-journals, and other online course communications are part of the classroom and as such, are University property and subject to the Student Code. Privacy regarding these communications between correspondents must not be assumed and should be mutually agreed upon in advance, in writing.
- Here are additional expectations for online communication (on Discussion Board, Emails, Zoom chat etc):
    - Emails: 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 Rebecca or Dear Dr. Noonan Heale. Sign your message with your name and return e-mail address. Please consult this page for tips on how to write appropriate professional emails: https://academicpositions.com/career-advice/how-to-email-a-professor
    - Treat your instructor, teaching team and classmates with respect in email or any other communication.
    - Avoid slang terms such as "wassup?" and texting abbreviations such as "u" instead of "you."
    - Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post and your message might be taken seriously or be offensive to others.
    - Be careful with personal information (both yours and others).
- Electronic or equipment failure: It is your responsibility to maintain your computer and related equipment in order to participate in the online portion of the course. Equipment failures will not be an acceptable excuse for late or absent assignments.
- Online submissions: You are responsible for submitting the assignment with the required naming convention, correct file extension, and using the software type and version required for the assignment.

- Canvas allows students to change the name that is displayed AND allows them to add their pronouns to their Canvas name. Additionally, students can indicate their pronouns in Zoom.

ACADEMIC CODE OF CONDUCT

Students are encouraged to review the Student Code for the University of Utah: https://regulations.utah.edu/academics/6-400.php. In order to ensure that the highest standards of academic conduct are promoted and supported at the University, students must adhere to generally accepted standards of academic honesty, including but not limited to refraining from cheating, plagiarizing, research misconduct, misrepresenting one's work, and/or inappropriately collaborating. A student who engages in academic misconduct as defined in Part I.B. may be subject to academic sanctions including but not limited to a grade reduction, failing grade, probation, suspension or dismissal from the program or the University, or revocation of the student's degree or certificate. Sanctions may also include community service, a written reprimand, and/or a written statement of misconduct that can be put into an appropriate record maintained for purposes of the profession or discipline for which the student is preparing.

ADDITIONAL POLICIES AND RESOURCES

Plagiarism and Academic Integrity: Academic integrity means that scholars, including students, conduct their work ethically. This includes taking credit only for work they themselves perform. Violations of academic integrity undermine the principle of fairness, devalue your degree, and leave you underprepared for applying what you have been taught. In this way, it defrauds you, your classmates, the university, and the people you will serve with your education after graduation. It includes cheating on tests and other assessments, collaborating on projects when not permitted to, presenting other people's work as yours (whether they agree to that), and more. Plagiarism is a serious offense against academic integrity that could result in failure for the test or paper, failure for the course, and expulsion from the university. Plagiarism usually involves passing off the work, words, or ideas of others as your own without giving proper credit.

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 e-mail with a university e-mail 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.

Inclusivity Statement: It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, and veteran status, and other unique identities. gender, sexuality, disability, age, socioeconomic status, ethnicity, race, culture, and other unique identities. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

Discrimination and Harassment: If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or Office of the Dean of Students, 270 Union Building, 801-581-7066. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS). Please see Student Bill of Rights,

section E http://regulations.utah.edu/academics/6-400.php. I will listen and believe you if someone is threatening you.

Names/Pronouns. Canvas allows students to change the name that is displayed AND allows them to add their pronouns to their Canvas name. Class rosters are provided to the instructor with the student's legal name as well as "Preferred first name" (if previously entered by you in the Student Profile section of your CIS account, which managed can be managed at any time). While CIS refers to this as merely a preference, I will honor you by referring to you with the name and pronoun that feels best for you in class or on assignments. Please advise me of any name or pronoun changes so I can help create a learning environment in which you, your name, and your pronoun are respected. If you need any assistance or support, please reach out to the LGBT Resource Center. https://lgbt.utah.edu/campus/faculty_resources.php

English Language Learners. If you are an English language learner, please be aware of several resources on campus that will support you with your language and writing development. These resources include: the Writing Center (http://writingcenter.utah.edu/); the Writing Program (http://writing- program.utah.edu/); the English Language Institute (http://continue.utah.edu/eli/). Please let me know if there is any additional support you would like to discuss for this class.

Undocumented Student Support. Immigration is a complex phenomenon with broad impact—those who are directly affected by it, as well as those who are indirectly affected by their relationships with family members, friends, and loved ones. If your immigration status presents obstacles to engaging in specific activities or fulfilling specific course criteria, confidential arrangements may be requested from the Dream Center. Arrangements with the Dream Center will not jeopardize your student status, your financial aid, or any other part of your residence. The Dream Center offers a wide range of resources to support undocumented students (with and without DACA) as well as students from mixed-status families. To learn more, please contact the Dream Center at 801.213.3697 or visit dream.utah.edu.

Veterans Center. If you are a student veteran, the U of Utah has a Veterans Support Center located in Room 161 in the Olpin Union Building. Hours: M-F 8-5pm. Please visit their website for more information about what support they offer, a list of ongoing events and links to outside resources: http://veteranscenter.utah.edu/. Please also let me know if you need any additional support in this class for any reason.

Wellness Statement. Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student's ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness at www.wellness.utah.edu or 801-581-7776.

Student Success Advocates: The mission of Student Success Advocates is to support students in making the most of their University of Utah experience (ssa.utah.edu). They can assist with mentoring, resources, etc. Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact a Student Success Advocate for support (https://asuu.utah.edu/displaced-students).

The Americans with Disabilities Act:
The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability & Access, 162 Olpin Union Building, 801-581-5020. CDA will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

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, veteran¹s status or genetic information. If you or someone you know has been harassed or assaulted on the basis of your sex, including sexual orientation or gender identity/expression, you are encouraged to report it to the University's Title IX

Coordinator; Director, Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or to the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to police, contact the Department of Public Safety, 801-585-2677(COPS).

Campus Safety: The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu

University Counseling Center The University Counseling Center (UCC) provides developmental, preventive, and therapeutic services and programs that promote the intellectual, emotional, cultural, and social development of University of Utah students. They advocate a philosophy of acceptance, compassion, and support for those they serve, as well as for each other. They aspire to respect cultural, individual and role differences as they continually work toward creating a safe and affirming climate for individuals of all ages, cultures, ethnicities, genders, gender identities, languages, mental and physical abilities, national origins, races, religions, sexual orientations, sizes and socioeconomic statuses. More information about the counseling center, including ways to contact them, can be found here: https://counselingcenter.utah.edu/.

Office of the Dean of Students The Office of the Dean of Students is dedicated to being a resource to students through support, advocacy, involvement, and accountability. It serves as a support for students facing challenges to their success as students, and assists with the interpretation of University policy and regulations. Please consider reaching out to the Office of Dean of Students for any questions, issues and concerns. 200 South Central Campus Dr., Suite 270. Monday-Friday 8 am-5 pm. Their phone number is 801-582-7066.

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.

Wk 1	Textbook/ HW	Video	Topic		Mon 8/24	Tues 1/19	Wed 1/20	Thurs 1/21	Fri 1/22
	CA 1.1	CA Video 1	Introduction to Functions	Class	MLK Holiday	Intro & CA 1.1	CA 1.1 & 1.2 Practice	CA 1.3	CA 1.3 Practice
	CA 1.2	CA Video 2	Graphs of Functions						
	CA 1.3	CA Video 3AB	Transformations of Functions	Due		Video Quiz on CA Video 2 (27 min)	HW CA 1.1	CoS Code of Conduct, Syllabus Quiz	HW CA 1.2, Introduce Yourself Survey

Wk 2	Textbook/ HW	Video	Topic		Mon 1/25	Tues	Wed	Thur	Fri
	CA 1.4	CA Video 4	Combinations of Functions	Class	Quiz (CA 1.1-1.3)	CA 1.4 Supplement & Practice	CA 1.5 Practice, CA 2.2	CA 2.2	CA 2.2 & 2.3 Practice
	CA 1.5	CA Video 5	Inverses of Functions						
	CA 2.2	CA Video 7AB	Graphs of Polynomials	Due	Video Quiz on CA Video 4	Video Quiz on CA Video 5	HW 1.3, 1.4	Video Quiz on CA Video 8	1.5 & 2.2
	CA 2.3	CA Video 8	Using Synthetic Division to Factor Polys						

Wk 3	Textbook/ HW	Video	Topic		Mon 2/1	Tues	Wed	Thur	Fri
	CA 2.4	CA Video 9	Real Zeros of Polynomials	Class	Quiz (CA 1.4, 1.5, 2.2)	CA 2.4	CA 2.4 & 2.5	CA 2.5	Review
	CA 2.5	CA Video 10	Complex Zeros of Polynomials	Due		Video Quiz on CA Video 10	HW CA 2.3		HW CA 2.4, 2.5

Wk 4	Textbook/ HW	Video	Topic		Mon 2/8	Tues	Wed	Thur	Fri
	CA 2.6	CA Video 11	Polynomial Inequalities	Class	Exam 1 (1.1-1.5, 2.2-2.5)	CA 2.6 Practice	CA 3.1	CA 3.1 & 3.2 Practice	CA 3.3 Practice
	CA 3.1	CA Video 12	Intro to Rational Functions						
	CA 3.2	CA Video13	Graphing Rational Functions	Due	Video Quiz on CA Video 11		Video Quiz on CA Video 13	Video Quiz on CA Video 14	HW CA 2.6, 3.1
	CA 3.3	CA Video 14	Holes and Oblique Asymptotes						

Wk 5	Textbook/ HW	Video	Topic		Mon 2/15	Tues	Wed	Thur	Fri
	CA 3.4	CA Video 15AB	Rational equations and inequalities	Class	Holiday	CA 3.4	CA 3.4	CA 4.1	CA 4.1
	CA 4.1	CA Video 16	Into to Exponetials and Logarithms						
	CA 4.2	CA Video 17	Properties of Logarithms	Due		Take Home Quiz (CA 2.6-3.1)	HW CA 3.2, 3.3		HW CA 3.4

Wk 6	Textbook/ HW	Video	Topic		Mon 2/22	Tues	Wed	Thur	Fri
	CA 4.1	CA Video 16	Intro to Exponeti-als and Logarithms	Class	Quiz (CA 3.2-3.4)	CA 4.2 Practice	CA 4.3	CA 4.3 & 4.4	Review
	CA 4.2	CA Video 17	Properties of Logarithms						
	CA 4.3	CA Video 18	Exponential Equations and Functions	Due	Video Quiz on CA Video 17		HW CA 4.1		HW CA 4.2, 4.3

Wk 7	Textbook/ HW	Video	Topic		Mon, 3/1	Tues	Wed	Thur	Fri
	CA 4.4	CA Video 19	Logarithmic Equations and Functions	Class	Exam 2 (2.6, 3.1-3.4, 4.1-4.3)	CA 4.4	CA 4.5 Practice	CA 5.1,5.3	Non-instruction Day
	CA 4.5	CA Video 20	Applications of Exponentials and Logarithms						
	CA 5.1	(covered in Videos 26-28)	Conic Sections	Due		Video Quiz on CA Video 20	HW CA 4.4		HW CA 4.5
	CA 5.3	TRIG Video 26	Parabolas						

Wk8	Textbook/ HW	Video	Topic		Mon 3/8	Tues	Wed	Thur	
	CA 5.2	TRIG Video 26.5	Circles	Class	Quiz (CA 4.4-4.5)	CA 5.2, 5.4 Practice	CA 5.5	CA 7.1	CA 7.1, Practice 7.2
	CA 5.4	TRIG Video 27AB	Ellipses						
	CA 5.5	TRIG Video 28	Hyperbolas	Due	Video Quiz on TG Video 26.5, 27AB		HW CA 5.3, 5.5	Video Quiz on TG Video 29AB	HW CA 5.2, 5.4, 5.5
	CA 7.1	CA Video 28AB	Sequences						
	CA 7.2	CA Video 29AB	Series						

Wk 9	Textbook/ HW	Video	Topic		Mon 3/15	Tues	Wed	Thur	Fri
	CA 7.2	CA Video 29AB	Series	Class	Quiz (CA 5.1-5.5)	Practice CA 7.2	Practice TG 1.1, then TG 2.1	Practice TG 2.2	Practice for Exam
	TRIG 1.1	TRIG Video 1AB	Degree and Radian Measures of Angles						
	TRIG 2.1	TRIG Video 2	Right Triangle Trignometry	Due		Video Quiz on TG Video 1AB	HW CA 7.2, Video Quiz on TG Video 3AB		HW TG 1.1
	TRIG 2.2	TRIG Video 3AB	Unit Circle						

Wk 10	Textbook/ HW	Video	Topic		Mon 3/22	Tues	Wed	Thur	Fri
	TRIG 2.3	TRIG Video 4	Six Trig Functions	Class	Exam 3 (CA 4.3-4.4, 5.1-5.5, 7.1-7.2, TG 1.1)	TG 2.3	TG 2.5 Practice	TG 3.1-3.2	TG 3.1-3.2, 3.3-3.4 Intro
	TRIG 2.5	TRIG Video 6	Beyond the Unit Circle						
	TRIG 3.1-3.2	TRIG Video 7AB	Graphs of Sine and Cosine	**Due**		Video Quiz on TG Video 6	HW TG 2.1, 2.2	Video Quiz TG Video 8	HW TG 2.3, 2.5
	TRIG 3.3 - 3.4	TRIG Video 8	Graphing Other Trig Functions						

Wk 11	Textbook/ HW	Video	Topic		Mon 3/29	Tues	Wed	Thur	Fri
	TRIG 2.4	TRIG VIDEO 5	Trig Identities	Class	Quiz TG 2.1-2.3, 2.5, 3.1-3.2	Practice TG 3.3-3.4	TG 2.4	TG 4.1-4.2	Practice TG 4.3-4.5
	TRIG 4.1-4.2	TRIG VIDEO 10	Using Trig Identities						
	TRIG 4.3-4.5	TRIG Video 11	Multiple Angle Identities	**Due**	Video Quizzes on TG Video 5		HW TG 3.1-3.2, 3.3-3.4	Video Quizzes on TG Video 11	HW TG 2.4, 4.1-4.2
	TRIG 5.1-5.3	TRIG Video 12	Inverse Trig Functions						

Wk 12	Textbook/ HW	Video	Topic		Mon 4/5	Tues	Wed	Thur	Fri
	TRIG 5.1-5.3	TRIG Video 12	Inverse Trig Functions	**Class**		TG 5.1-5.3	TG 5.1-5.3, 5.4-6.2	TG 5.4-6.2	Review

					Non-instruction Day				
	TRIG 5.4-6.2	TRIG Video 13	Solving Trig Equations	**Due**		Take-Home Quiz (TG 3.3-3.4, 2.4, 4.1-4.2)	HW TG 4.3-4.5		HW TG 5.1-5.3
Wk 13	Textbook/ HW	Video	Topic		Mon 4/12	Tues	Wed	Thur	Fri
	TRIG 6.2-6.3	TRIG Video 14	Solving Trig Eqns with Multiple Trig Fns	**Class**	Exam 4 (TG 2.1-2.5, 3.1-3.4, 4.1-4.5, 5.-5.3)	TG 6.2-6.3 Practice	TG 7.1-7.2 Practice	TG 7.3	TG 7.3
	TRIG 7.1-7.2	TRIG Video 15	Law of Sines						
	TRIG 7.3	TRIG Video 16	Law of Cosines	**Due**	Video Quiz on TG Video 14	Video Quiz on TG Video 15	HW 5.4-6.2, 6.2-6.3		HW TG 7.1-7.2
Wk 14	Textbook/ HW	Video	Topic		Mon 4/19	Tues	Wed	Thurs	Fri
	TRIG 8.1& 8.2	TRIG Video 17	Polar Coordinates and Equations	Class	Quiz (TG 5.4-6.3, 7.1-7.2)	TG 8.1 & 8.2	TG 8.1 & 8.2, 9.1	TG 9.1-9.3	TG 9.2 & 9.3
	TRIG 9.1	TRIG Video 21	Vector Properties and Operations						
	TRIG 9.2 & 9.3	TRIG Video 22 The Unit Vector and Vector Applications		Due			HW TG 7.2		HW TG 8.1&8.2, 9.1, 9.2-9.3
Wk 15	Textbook/ HW	Video	Topic		Mon 4/26	Tues	Wed	Thur	Fri
				Class	Quiz (TG 7.3 8.1-8.2, 9.1-9.3)	Review	Reading Day		
				Due					
Finals			Topic		Mon	Tues	Wed	Thur	
					Final Exam, Mon 5/3 3:30-5:30, Exam 5 (TG 5.4-6.3, 7.1-7.3, 8.1-8.2, 9.1-9.3) & Redos of past exams optional				