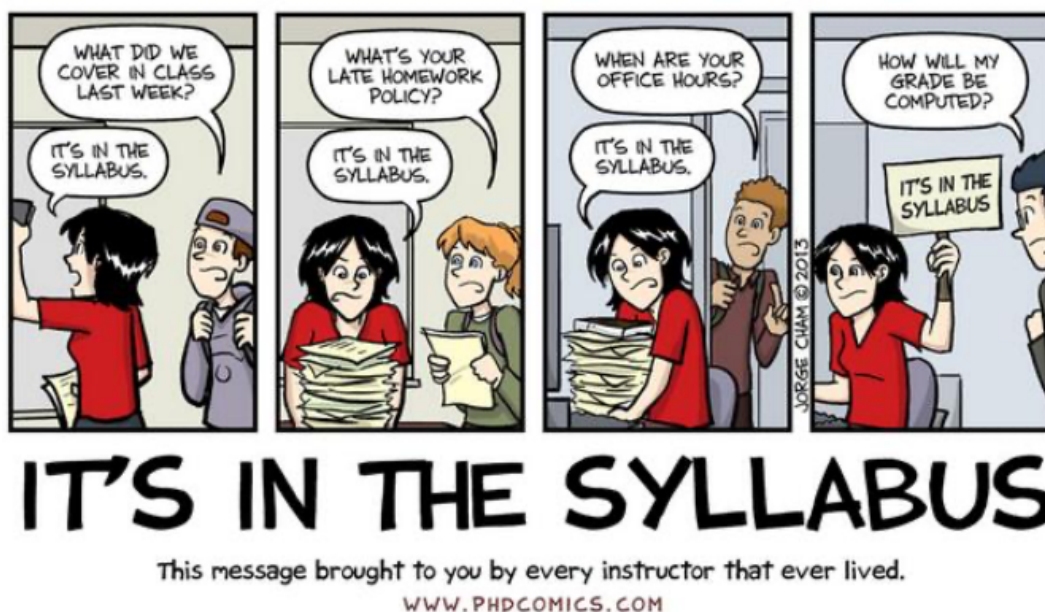


## MATH 3010 History of Mathematics, Spring 2022



**Instructor:** Dr. Selvi Kara (she/her/hers)

**Office:** JWB 217

**Email:** selvi@math.utah.edu, selvi.kara@utah.edu

**Class Time and Location:** Monday and Friday: 3:00 - 4:15 pm in LCB 225

**Office Hours:** I will be available during the following times over Zoom:

Monday and Wednesday between 10:00AM - 11:00AM

Zoom room: <https://utah.zoom.us/j/6937775550> (Passcode: MeetMeet)

**Text and Online Material:** There is no required text for this class. However, if you feel more comfortable having a main resource, I will be using the following books of Marcia Ascher:

- [Ethnomathematics: Multicultural View of Mathematical Ideas](#)
- [Mathematics Elsewhere: An Exploration of Ideas Across Cultures](#)

There is no need to purchase a book. Throughout the semester, I will provide you with resources which will be excerpts from books, manuscripts and websites.

**Course Information:** Math 2210 Calculus III is a 3 credit course.

**Prerequisite Information:** C or better in MATH 1210, MATH 1250, MATH 1270, MATH 1310, MATH 1311, MATH 1220, MATH 1320, MATH 1321, or MATH 2210; or AP Calculus AB score of at least 4 or AP Calculus BC score of at least 3.

**Requirement Designation:** Comm/Wrtg & Phys/Life Sci Exploration

**Course Description:** A brief look at the history of mathematics, focusing on the principal ideas of importance in the development of the subject.

**Our Class Culture:** We will model our class based on the axioms proposed by Federico Ardila:

- Axiom 1: Mathematical talent is distributed equally among different groups, irrespective of geographic, demographic, and economic boundaries.
- Axiom 2: Everyone can have joyful, meaningful, and empowering mathematical experiences.
- Axiom 3: Mathematics is a powerful, malleable tool that can be shaped and used differently by various communities to serve their needs.
- Axiom 4: Every student deserves to be treated with dignity and respect.

**Grading Policy:** The grades will be calculated as follows:

- Weekly Assignments
  - MF Worksheets: 15 %
  - Weekly Writing Assignments: 15 %
- Take-Home Midterms
  - First Midterm: 20 %
  - Second Midterm: 20 %
- Final Project: 30 %

**Grade Scale:** Final letter grades will be determined by overall percentage as follows:

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

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

**Class Meetings:** This is an in-person course. Each class will start with an agenda of what we will cover during that class. You may be asked to do a short reading or watch a short video before class. I will be lecturing but we will also have plenty of time for in class discussions and group work. I envision this class to be an engaging one. Each student is expected to attend and actively participate in class. Participation in class involves:

- being present in class (physically and mentally),
- coming to class prepared and on time,
- asking questions when appropriate,
- making positive contributions to class discussion by volunteering and when called upon, and
- working effectively and respectfully with other students.

**Holidays:** There will be no class on January 17th, February 21st, and March 7-11.

**Disclaimer:** If I do any modification to this syllabus, I will let you know in class and update the syllabus.

**Acknowledgement:** This course was first designed by Dr. Allechar Serrano López at the University of Utah in Spring 2021. I am very grateful to Dr. Serrano Lopez for sharing her course material, her wisdom and for all her help.

## Covid-19 Specific Information

Given the nature of this course, attendance is required, and adjustments cannot be granted to allow non-attendance, except in cases of quarantining due to COVID-19 exposure, or for those who have an ADA accommodation. If you need to seek an ADA accommodation to request an exception to this attendance policy due to a disability, please contact the Center for Disability and Access (CDA). CDA will work with us to determine what, if any, ADA accommodations are reasonable and appropriate.

I acknowledge that this semester may be challenging due to the pandemic, and there may be certain weeks where you cannot come to campus for various reasons. With this in mind, I will create weekly modules on Canvas and post blank and completed versions of our notes based on what we covered each day in class. In case you can not come to campus for an office hour, you can meet with me online during our Monday or Wednesday office hours or schedule an appointment with me.

If there is anything I can help you with during the semester (whether it is related to our class or not), please let me know and I am truly happy to help in any way I can. I am here for you!

## University Covid-19 Guidelines

University leadership has urged all faculty, students, and staff to model the vaccination, testing, and masking behaviors we want to see in our campus community. These include:

- Vaccination
- Masking indoors
- If unvaccinated, getting weekly asymptomatic coronavirus testing
- Quarantining after exposure

**Vaccination:** Get a COVID-19 vaccination and the booster shot recommended for pairing with your vaccine if you have not already done so. Vaccination is proving highly effective in preventing severe COVID-19 symptoms, hospitalization and death from coronavirus. Vaccination is the single best way to stop this COVID resurgence in its tracks.

University of Utah students are required (as of August 27, 2021) to complete a cycle of COVID-19 vaccination and booster shot with an approved vaccine, or complete an exemption form. The university provides three convenient vaccination options:

- Attend one of the regularly scheduled vaccine events at the Student Union on campus.
- Schedule an appointment with Student Health here.
- Visit <http://mychart.med.utah.edu/>, <https://alert.utah.edu/covid/vaccine/>, or <http://vaccines.gov/> to schedule your vaccination.

**Masking:** While masks are not required outside of Health Sciences facilities, on UTA buses or campus shuttles, CDC guidelines now call for everyone to wear face masks indoors.

**Testing:** If you are not yet vaccinated, get weekly asymptomatic coronavirus tests. This is a helpful way to protect yourself and those around you because asymptomatic individuals can unknowingly spread the coronavirus to others. Saliva based testing is available at <https://alert.utah.edu/covid/testing/>.

**Self-Reporting:** All of us, including faculty, students, and staff, must self-report if we test positive for COVID-19 via this website: <https://coronavirus.utah.edu/>.

## University Policies

**Student Responsibilities:** All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, and I will do so, beginning with verbal warnings and progressing to dismissal from and class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee. <http://regulations.utah.edu/academics/6-400.php>

**ADA Statement:** 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, veterans status or genetic information. 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 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 the police, contact the Department of Public Safety, 801-585-2677(COPS).

**Student Names and Personal Pronouns:** Class rosters are provided to the instructor with the students legal name as well as Preferred first name(if previously entered by you in the Student Profile section of your CIS account). 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, on papers, exams, group projects, etc. Please advise me of any name or pronoun changes (and update CIS) so I can help create a learning environment in which you, your name, and your pronoun will be respected. If you need assistance getting your preferred name on your UIDcard, please visit the LGBT Resource Center Room 409 in the Olpin Union Building, or email [bpeacock@sa.utah.edu](mailto:bpeacock@sa.utah.edu) to schedule a time to drop by. The LGBT Resource Center hours are M-F 8am-5pm, and 8am-6pm on Tuesdays.

**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](http://www.wellness.utah.edu) or 801-581-7776.

**Safety Statement:**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](http://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.

**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.

**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](http://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>).