Syllabus

To-Do Date: Mar 1 at 11:59pm

	Department/School Name: Mathematical, Information and Computer Sciences **Course Number and Name: MTH3052 History of Mathematics** **Number of Units: 2** **Time: TR 2:55-3:50 PM, In person sessions in RS295**
Spring 2021	

Instructor: Maria Zack, Ph.D.

Phone: 619.849.2458

Email: mzack@pointloma.edu

On Zoom - Click here for appointment (https://calendar.google.com/calendar/selfsched?sstoken=UUphMmZJc2tlVTFKfGRlZmF1bHR8YTE5OTI3YWQxZDFhZDc4MDExZWQ5ZjU3MDRhNmNkNTI)

These are the times that I hold open for appointments. If none of them work you can email me to see if we can find another time.

Monday 7:30-8:30 AM & 11:00 AM - noon

Tuesday 2:00-3:00 PM

Wednesday 1:00-2:00 PM

Thursday 7:30-8:30 AM & 3:00-4:00 PM

PLNU Mission

To Teach ~ To Shape ~ To Send

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service is an expression of faith. Being of Wesleyan heritage, we strive to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

Department Mission

The Mathematical, Information, and Computer Sciences department at Point Loma Nazarene University is committed to maintaining a curriculum that provides its students with the tools to be productive, the passion to continue learning, and Christian perspectives to provide a basis for making sound value judgments.

COURSE DESCRIPTION

MTH 3052 - History of Mathematics (2)

Development of mathematics from pre-Greek to recent times. Perspectives and contributions of persons from diverse cultural, ethnic, and gender groups. Impact of culture on mathematical progress.

Prerequisite(s): MTH 1044 with a grade of C- or higher or MTH 1064 with a grade of C- or higher.

COURSE LEARNING OUTCOMES

- Students will be able to write proofs.
- Students will be able to demonstrate facility with analytical concepts.
- Students will be able to demonstrate facility with algebraic structures.
- Students will be able to speak about their work with precision, clarity and organization.
- Students will be able to write about their work with precision, clarity and organization.
- Students will collaborate effectively in teams.
- Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand.
- Students will be able to gather relevant information, examine information and form a conclusion based on that information.

REQUIRED TEXTS AND RECOMMENDED STUDY RESOURCES

Journey Through Genius by William Dunham

COURSE CREDIT HOUR INFORMATION

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 2 unit class delivered over fifteen weeks. Specific

details about how the class meets the credit hour requirement can be provided upon request. (Based on 37.5 hours of student engagement per credit hour.)

Distribution of Student Learning Hours

Category	Time Expectation in Hours
Reading and Videos	13.75
Project Reading and Presentation Preparation	21
Collaborative Activities	3.25
Class Meetings	17.5
Homework	19.5
Total Hours	75

ASSESSMENT AND GRADING

Graded Components

- **Homework** will be assigned each day at the end of class. All homework assigned in a week will be due the next Friday. No late homework will be accepted except by prior arrangement or with a documented emergency. Homework assignments are posted in Canvas. The object of the homework is to learn how to do the problems so I expect to see calculations on your homework using the terminology and methods of the class and not just the answer. A random selection (the same for all people) of the problems will be graded on any homework assignment.
- **Mid-term Group Project**: This project will focus on the period of 200-1400 AD. You will be asked to choose a particular mathematical topic to research and present. This project will be done in groups and your presentations will be approximately 5 minutes and will be given in class on the day listed in the schedule.
- **Final Project:** You will be given a list of books of mathematical biographies and popular writing on mathematics. You will need to select one book, read it, write a paper on it and give a 7-10 minute presentation during the time of the final. The final exam date and time is set by the university at the beginning of the semester and may not be changed by the instructor. This schedule can be found on the university website and in the course calendar. No requests for early examinations will be approved. Only in the case that a student is required to take three exams during the same day of finals week, is an instructor authorized to consider changing the exam date and time for that particular student. The final is 4:30-7:00 PM on June 8.

- **Notes and Videos**: Each section will have videos to watch and you should take notes. Your notes will be submitted weekly in Canvas.
- **Collaborative Activities:** Most weeks you will be assigned a task to work on in a small group. This task will begin in class and you should be able to complete it before class is over. They will not be due until Friday of that same week in case you need extra time to finish up.
- **Late work will not be accepted** without prior consent or a well-documented emergency. Up to a maximum of one homework assignment will be accepted up to 3 days late provided that consent is received from the professor before it is due. Homework assignments that are submitted late without prior consent will be recorded with a score of zero. If more than half of the homework assignments are submitted on time, then the lowest homework score will be dropped from the calculations of the homework grade.
- The examination schedule is included in the daily schedule. This instructor does not intend to accept excuses such as poor communication with parents, benefactors, surf team sponsors and/or travel agents.

Grading Distribution	**Percent**
Homework	30
Collaborative Activities	5
Mid-term Project	20
Final Project	30
Video Notes and Problems	13
Attendance	2
Total	100

Grading Scale

Grades are based on the number of points accumulated throughout the course. Approximate minimal percentages required to obtain a given grade are:

Standard Grade Scale Based on Percentages

Standard Grade Scale Based on Percentages					
	A	B	C	D	F
+		87.5- 90	77.5-80	67.5-70	
	92.5 -100	82.5-87.5	72.5-77.5	62.5 -67.5	0-60
_	90-92.5	80-82.5	70-72.5	60-62.5	

STATE AUTHORIZATION

State authorization is a formal determination by a state that Point Loma Nazarene University is approved to conduct activities regulated by that state. In certain states outside California, Point Loma Nazarene University is not authorized to enroll online (distance education) students. If a student moves to another state after admission to the program and/or enrollment in an online course, continuation within the program and/or course will depend on whether Point Loma Nazarene University is authorized to offer distance education courses in that state. It is the student's responsibility to notify the institution of any change in his or her physical location. Refer to the map on **State Authorization (https://www.pointloma.edu/offices/office-institutional-effectiveness-research/disclosures)** to view which states allow online (distance education) outside of California.

INCOMPLETES AND LATE ASSIGNMENTS

All assignments are to be submitted/turned in by the beginning of the class session when they are due—including assignments posted in Canvas. Incompletes will only be assigned in extremely unusual circumstances.

CLASS ENROLLMENT

It is the student's responsibility to maintain his/her class schedule. Should the need arise to drop this course (personal emergencies, poor performance, etc.), the student has the responsibility to follow through (provided the drop date meets the stated calendar deadline established by the university), not the instructor. Simply ceasing to attend this course or failing to follow through to arrange for a change of registration (drop/add) may easily result in a grade of F on the official transcript.

PLNU COPYRIGHT POLICY

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

PLNU ACADEMIC HONESTY POLICY

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See **Academic Policies (http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278)** for definitions of kinds of academic dishonesty and for further policy information.

PLNU ACADEMIC ACCOMMODATIONS POLICY

While all students are expected to meet the minimum standards for completion of this course as established by the instructor, students with disabilities may require academic adjustments, modifications or auxiliary aids/services. At Point Loma Nazarene University (PLNU), these students are requested to register with the Disability Resource Center (DRC), located in the Bond Academic Center. (**DRC@pointloma.edu (mailto:DRC@pointloma.edu)** or 619-849-2486). The DRC's policies and procedures for assisting such students in the development of an appropriate academic adjustment plan (AP) allows PLNU to comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. Section 504 (a) prohibits discrimination against students with special needs and guarantees all qualified students equal access to and benefits of PLNU programs and activities. After the student files the required documentation, the DRC, in conjunction with the student, will develop an AP to meet that student's specific learning needs. The DRC will thereafter email the student's AP to all faculty who teach courses in which the student is enrolled each semester. The AP must be implemented in all such courses.

If students do not wish to avail themselves of some or all of the elements of their AP in a particular course, it is the responsibility of those students to notify their professor in that course. PLNU highly recommends that DRC students speak with their professors during the first two weeks of each semester about the applicability of their AP in that particular course and/or if they do not desire to take advantage of some or all of the elements of their AP in that course.

PLNU ATTENDANCE AND PARTICIPATION POLICY

Attendance is expected at each class session. In the event of an absence you are responsible for the material covered in class and the assignments given that day.

Regular and punctual attendance at all classes is considered essential to optimum academic achievement. If the student is absent from more than 10 percent of class meetings, the faculty member can file a written report which may result in de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university drop date or, after that date, receive the appropriate grade for their work and participation. See **Academic Policies**

(http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278) for further information about class attendance.

SPIRITUAL CARE

Please be aware PLNU strives to be a place where you grow as whole persons. To this end, we provide resources for our students to encounter God and grow in their Christian faith. If students have questions, a desire to meet with the chaplain or have prayer requests you can contact the **Office of Spiritual Development** (https://www.pointloma.edu/offices/spiritual-development)

Recent Announcements

Week 2 Video
(https://canvas.pointloma.edu/courses/55092/discussion_topics/345398)
Hello All, I decided that two videos to watch was one too many. So no weeken…

Posted on: Mar 6, 2021 at 7:49pm

3/4 Recording Posted
(https://canvas.pointloma.edu/courses/55092/discussion_topics/344760)
Hello All, The recording is posted. There is also a handout to go along with it. …

Posted on: Mar 4, 2021 at 6:31pm

MTH3052-1 SP21 - History Of Mathematics

Jump to Today ✎ Edit

COURSE SCHEDULE AND ASSIGNMENTS

The full course syllabus may be found here: **Syllabus**

Here is your textbook: *Journey Through Genius* by William Dunham

To see your work organized by week and to find handouts and other pieces of information go to the weekly **modules**.

We will meet both Tuesday and Thursday via Zoom until San Diego is out of purple and in red. It is only at that point that we will start videos and splitting the class. The schedule shows changing on week two, but it may be later. We are waiting on the county. **Zoom link**: **https://pointloma.zoom.us/j/94766335840** **(https://pointloma.zoom.us/j/94766335840)**

The table below shows the schedule and below that you will see a list of assignments and their due dates (they link directly to the assignment).

Weekend	Monday	Tuesday	Wednesday	Thursday	Friday
	1-Mar	2-Mar Introduction/Babylonian Math EVERYONE ON ZOOM	3-Mar	4-Mar Egyptian Numbers EVERYONE ON ZOOM	5-Mar
Video Before Class Chapter 1	8-Mar	9-Mar Chapter 1 GROUP A: ZOOM	10-Mar	11-Mar Chapter 1 GROUP B: IN PERSON	12-Mar
Video Before Class Chapter 2	15-Mar	16-Mar Chapter 2/Mid-term project GROUP A: ZOOM	17-Mar	18-Mar Chapter 2/Mid-term project GROUP B: IN PERSON	19-Mar
Video Before Class Chapter 3	22-Mar	23-Mar No Class	24-Mar	25-Mar Chapter 3/MT Project Proposals EVERYONE ON ZOOM	26-Mar
Video Before Class Chapter 4	29-Mar	30-Mar Chapter 4 GROUP A: ZOOM	31-Mar Wellness Day	1-Apr Chapter 4 GROUP B: IN PERSON	2-Apr
	5-Apr	6-Apr Chapter 5 - Heron GROUP A: ZOOM	7-Apr	8-Apr Chapter 5 - Heron GROUP B: IN PERSON	9-Apr
	12-Apr	13-Apr Midterm Project Presentations EVERYONE ON ZOOM	14-Apr	15-Apr No Class Plan Book Project	16-Apr
Video Before Class Chapter 6	19-Apr	20-Apr Chapter 6 GROUP A: ZOOM	21-Apr	22-Apr Chapter 6 GROUP B: IN PERSON	23-Apr
Video Before Class Chapter 7	26-Apr	27-Apr Chapter 7 GROUP A: ZOOM	28-Apr	29-Apr Chapter 7 GROUP B: IN PERSON	30-Apr
Video Before Class Chapter 8	3-May	4-May Chapter 8 GROUP A: ZOOM	5-May Wellness Day	6-May Chapter 8 GROUP B: IN PERSON	7-May
Video Before Class Chapter 9	10-May	11-May Chapter 9 GROUP A: ZOOM	12-May	13-May Chapter 9 GROUP B: IN PERSON	14-May
Video Before Class Chapter 10	17-May	18-May Chapter 10 GROUP A: ZOOM	19-May	20-May Chapter 10 GROUP B: IN PERSON	21-May
Video Before Class Chapter 11	24-May	25-May Chapter 11 GROUP A: ZOOM	26-May	27-May Chapter 11 GROUP B: IN PERSON	28-May
Video Before Class Chapter 12	31-May	1-Jun Chapter 12 GROUP A: ZOOM	2-Jun	3-Jun Chapter 12 GROUP B: IN PERSON	4-Jun
	7-Jun	8-Jun FINAL EXAM 4:30-7:00PM EVERYONE ON ZOOM	9-Jun	10-Jun	11-Jun

This image in PDF can be found here: **MTH3052 Schedule 2021.pdf**

Quick Links to Resources

Netiquette Guidelines | **Help & Technical Support** | **Technology & System Requirements** **(https://help.pointloma.edu/TDClient/1808/Portal/KB/ArticleDet?ID=108349)** | **Canvas Student Guides** **(https://community.canvaslms.com/t5/Student-Guide/tkb-p/student)**

Course Summary:

Date	Details	Due
Mon Mar 1, 2021	**Week 1: Overview**	to do: 8am
	Syllabus	to do: 11:59pm
	Week 1: Videos, Links and Handouts	to do: 11:59pm

Date	Details	Due
Fri Mar 5, 2021	Week 1: Video Replacement for March 4 - Egyptian Mathematics	to do: 11:59pm
Mon Mar 8, 2021	Week 2: Overview	to do: 8am
	Week 2: Videos, Links and Handouts	to do: 11:59pm
Fri Mar 12, 2021	Week 1: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632202)	due by 8:30am
Mon Mar 15, 2021	Week 3: Overview	to do: 8am
	Week 3: Videos, Links and Handouts	to do: 11:59pm
Fri Mar 19, 2021	Week 2: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632204)	due by 8:30am
	Week 3: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620451)	due by 11:59pm
Mon Mar 22, 2021	Week 4: Overview	to do: 8am
	Week 4: Videos, Links and Handouts	to do: 11:59pm
	Week 3: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620453)	due by 11:59pm
Fri Mar 26, 2021	Mid-Term Assignment: Project Preparation (https://canvas.pointloma.edu/courses/55092/assignments/632191)	due by 8:30am
	Week 3: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632205)	due by 8:30am
	Week 4: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620454)	due by 11:59pm

Date	Details	Due
Mon Mar 29, 2021	Week 5: Overview	to do: 8am
	Week 5: Videos, Links and Handouts	to do: 11:59pm
	Week 4: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620456)	due by 11:59pm
Fri Apr 2, 2021	Week 4: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632206)	due by 8:30am
	Week 5: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620457)	due by 11:59pm
Mon Apr 5, 2021	Week 6: Overview	to do: 8am
	Week 6: Videos, Links and Handouts	to do: 11:59pm
Fri Apr 9, 2021	Week 5: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632207)	due by 8:30am
	Week 6: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620460)	due by 11:59pm
Mon Apr 12, 2021	Week 7: Overview	to do: 8am
	Week 7: Videos, Links and Handouts	to do: 11:59pm
Tue Apr 13, 2021	Mid-Term Project (https://canvas.pointloma.edu/courses/55092/assignments/632192)	due by 5pm
Fri Apr 16, 2021	Week 6: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632208)	due by 8:30am
	Week 7: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620463)	due by 11:59pm
Mon Apr 19, 2021	Week 8: Overview	to do: 8am

Date	Details	Due
	Week 8: Videos, Links and Handouts	to do: 11:59pm
	Week 7: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620465)	due by 11:59pm
Fri Apr 23, 2021	Week 7: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632209)	due by 8:30am
	Week 8: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620466)	due by 11:59pm
Mon Apr 26, 2021	Week 9: Overview	to do: 8am
	Week 9: Videos, Links and Handouts	to do: 11:59pm
	Week 8: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620468)	due by 11:59pm
Fri Apr 30, 2021	Week 8: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632194)	due by 8:30am
	Week 9: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620469)	due by 11:59pm
Mon May 3, 2021	Week 10: Overview	to do: 8am
	Week 10: Videos, Links and Handouts	to do: 11:59pm
	Week 9: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620471)	due by 11:59pm
Fri May 7, 2021	Week 9: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632195)	due by 8:30am

Date	Details	Due
	Week 10: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620431)	due by 11:59pm
	Week 9: Homework - Special Assignment (https://canvas.pointloma.edu/courses/55092/assignments/632196)	due by 11:59pm
Mon May 10, 2021	Week 11: Overview	to do: 8am
	Week 11: Videos, Links and Handouts	to do: 11:59pm
	Week 10: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620433)	due by 11:59pm
Fri May 14, 2021	Week 10 Homework (https://canvas.pointloma.edu/courses/55092/assignments/632197)	due by 8:30am
	Week 11: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620434)	due by 11:59pm
Mon May 17, 2021	Week 12: Overview	to do: 8am
	Week 12: Videos, Links and Handouts	to do: 11:59pm
	Week 11: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620436)	due by 11:59pm
Fri May 21, 2021	Week 11: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632198)	due by 8:30am
	Week 12: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620437)	due by 11:59pm
Mon May 24, 2021	Week 13: Overview	to do: 8am

Date	Details	Due
	Week 13: Videos, Links and Handouts	to do: 11:59pm
	Week 12: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620439)	due by 11:59pm
Fri May 28, 2021	Week 12: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632199)	due by 8:30am
	Week 13: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620440)	due by 11:59pm
Mon May 31, 2021	Week 14: Overview	to do: 8am
	Week 14: Videos, Links and Handouts	to do: 11:59pm
	Week 13: Video Notes and Problems (https://canvas.pointloma.edu/courses/55092/assignments/620442)	due by 11:59pm
Fri Jun 4, 2021	Week 13: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632200)	due by 8:30am
	Week 14: Collaborative Activity (https://canvas.pointloma.edu/courses/55092/assignments/620443)	due by 11:59pm
Mon Jun 7, 2021	Week 15: Overview	to do: 8am
Tue Jun 8, 2021	Week 14: Homework (https://canvas.pointloma.edu/courses/55092/assignments/632201)	due by 8:30am
	Final Book Report Project (https://canvas.pointloma.edu/courses/55092/assignments/632190)	due by 4:30pm
Fri Jun 11, 2021	Attendance Points (https://canvas.pointloma.edu/courses/55092/assignments/620427)	due by 11:59pm