# Syllabus

To-Do Date: Mar 1 at 1:30pm



Mathematical, Information and Computer Sciences

MTH1013: College Algebra

3 Units

MWF 1:30-2:25pm

**Zoom Meeting:** 

https://pointloma.zoom.us/j/9012972772 (https://pointloma.zoom.us/j/9012972772)

Spring 2021

**Instructor: Michelle Freed** 

Phone: 619.990.4714

Email:

mfreed1@pointloma.edu

Office hours: M 12:00-

2:30pm

**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

A review and extension of elementary algebra, solutions of linear and quadratic equations, radicals, inequalities, linear and quadratic functions, polynomial functions, exponential and logarithmic functions, conic sections,

sequences, series and graphing.

Prerequisite: MTH0099

#### **COURSE LEARNING OUTCOMES**

- 1. Students will be able to perform basic operations on the real numbers.
- 2. Students will be able to solve and graph linear equations and inequalities.
- 3. Students will be able to solve basic polynomial problems.
- 4. Students will be able to solve basic rational function problems.
- 5. Students will be able to solve basic radical function problems.
- 6. Students will be able to solve basic exponential and logarithmic function problems.

#### REQUIRED TEXTS AND RECOMMENDED STUDY RESOURCES

Intermediate Algebra, 13th Edition

Margaret L. Lial, John Hornsby, and Terry McGinnis

#### **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 3 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
Collaborative Activities	6.50

Category	Time Expectation in Hours
Reading and Exam Preparation	24
Homework	36
Video Watching and Notes	15.5
Class Meetings	30.5
Total Hours	112.5

#### ASSESSMENT AND GRADING

### **Graded Components**

- Collaborative Activities: Each week you will have a small group activity. In many cases this can be completed in class and summarized by the group shortly after class. They are due on Fridays.
- **Homework**: Homework will be assigned every day. The previous week's homework will be due on Friday (so you have time to ask questions in class).
- Video and Questions: Each week you will have some videos to watch. You will be expected to complete these videos and upload notes and problems by Sunday night.
- Examinations and the Final Examination. Examinations and the Final Examination will include problems and questions over material assigned in the text, readings and handouts, as well as material presented in class. No examination shall be missed without prior consent or a well-documented emergency beyond your control. A score of zero will be assigned for an examination that is missed without prior consent or a well-documented emergency beyond your control. 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 th 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.
- 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.
- **Exams:** 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

Two Exams (15% each)	30
Final Exam	25
Collaborative Activities	8
Homework	25
Videos Notes and Problems	10
Attendance	2
Total	100

### **Grading Scale**

Grades are based on the number of points accumulated throughout the course with the following exception. A student must pass at least one of the Exam or the Final Exam in order to pass the class. That is, a score of 60% must be achieved on one of the Exams, or else the final grade will be an F regardless of all other point totals. Approximate minimal percentages required to obtain a given grade are:

Stand	Standard Grade Scale Based on Percentages						
	A	В	С	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 <a href="State Authorization">State Authorization</a> (<a href="https://www.pointloma.edu/offices/office-institutional-effectiveness-research/disclosures">https://www.pointloma.edu/offices/office-institutional-effectiveness-research/disclosures</a>) 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 <a href="https://catalog.pointloma.edu/content.php?">Academic Policies</a> (<a href="http://catalog.pointloma.edu/content.php?">http://catalog.pointloma.edu/content.php?</a> 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 <a href="Academic Policies">Academic Policies</a> (<a href="http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278">http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278</a>) 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**

Video Notes Due Tonight  (https://canvas.pointloma.edu/courses/55084/discussion_topics/345674)  Hello class, I noticed less than half of you have submitted your week 1 video	Poste or Mar 7 2021 a 8:02pr
Class and Book  (https://canvas.pointloma.edu/courses/55084/discussion_topics/344538)  Hello all, I know some of you missed class yesterday because Canvas was d	Poste oi Mar 4 2021 a

## MTH1013-1 SP21 - College Algebra

**Jump to Today** 



- Here you can find everything happening in our course organized by week: <u>Modules</u>
- Please check the announcements to keep up with any updates: Announcements
- You can find the syllabus for the course here: <u>Syllabus</u>
- You may sign up for my virtual office hours here: Office Hours
   (https://calendar.google.com/calendar/selfsched?

   sstoken=UUNjcW1XYnZTWExKfGRIZmF1bHR8NDBmYjQ3ODdiYWQxMDM5Yzc1YjEzOGQ4YWI1NWRiY2I
- Our textbook: Intermediate Algebra, 13th Edition by Lial, Hornsby, and McGinnis
- Below is the course schedule, which can also be found in the syllabus:

Here is the Zoom information for class each week.

Join Zoom Meeting <a href="https://pointloma.zoom.us/j/9012972772">https://pointloma.zoom.us/j/9012972772</a>)

Meeting ID: 901 297 2772

N	MWF 1:30-2:25 Monday	Tuesday	Wednesday	Thursday	Friday	Weekend
	. <b>-Mar</b> Class Lecture: Orientation	2-Mar	<b>3-Mar</b> Lecture 1.1 and 1.2 Activities	4-Mar	5-Mar	<b>6-Mar</b> Videos: 1.3 and 1.4
	R-Mar	9-Mar	10-Mar	11-Mar	12-Mar	13-Mar

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3/15/2021		MTH1013	8-1 SP21 - Colle	ge Algebra	
Activities		All Class Lecture 1.5 and 1.6		Hw: 1.1-2	videos: 1.7 and 2.1
15-Mar 3 Questions about Videos Activities	16-Mar	17-Mar All Class Lecture 2.2 and 2.3	18-Mar	19-Mar Collab Act Due HW: 1.3-6	<b>20-Mar</b> Videos: 2.4 and 2.5
<b>22-Mar</b> 4 Questions about Videos Activities	23-Mar	<b>24-Mar</b> All Class Lecture 2.6 and 3.1	25-Mar	<b>26-Mar</b> Collab Act Due Hw: 1.7, 2.1-3	<b>27-Mar</b> Videos: 4.1 and 4.2
<b>29-Mar</b> 5 Questions about Videos Activities	30-Mar	31-Mar Wellness Day	1-Apr	2-Apr All Class Lecture Lecture: 4.3 and 4.4 Collab Act Due Hw: 2.4-6, 3.1	<b>3-Apr</b> Video: 4.5
<b>5-Apr</b> 6 Questions about Videos Activities	6-Apr	<b>7-Apr</b> All Class Lecture 4.6 and 5.1	8-Apr	9-Apr Collab Act Due Hw: 4.1-4	10-Apr
<b>12-Apr</b> 7 Questions about Videos	13-Apr	14-Apr Exam 1	15-Apr	<b>16-Apr</b> Hw: 4.5-5, 5.1	17-Apr Videos: 5.2 and 5.3
19-Apr 8 Questions about Videos Activities	20-Apr	<b>21-Apr</b> All Class Lecture 5.4 and 5.5	22-Apr	<b>23-Apr</b> Collab Act Due	<b>24-Apr</b> Videos: Exam Problems 6.1 and 6.2
<b>26-Apr</b> 9 Questions about Videos Activities	27-Apr	<b>28-Apr</b> All Class Lecture 6.3 and 6.4	29-Apr	<b>30-Apr</b> Collab Act Due Hw: 5.2-5	1-May Videos: Lecture 7.1 and 7.2
<b>3-May</b> 10 Questions about Videos Activities	4-May	5-May Wellness Day	6-May	<b>7-May</b> All Class Lecture 7.3 and 7.4 Collab Act Due Hw: 6.1-4	<b>8-May</b> Video: 7.5 and 8.1
11 Questions about Videos Activities	11-May	<b>12-May</b> All Class Lecture 8.2	13-May	<b>14-May</b> Collab Act Due Hw: 7.1-4	15-May
17-May 12 Questions about Videos	18-May	19-May Exam 2	20-May	<b>21-May</b> Hw: 7.5, 8.1-2	<b>22-May</b> Videos: 8.3 and 8.4
24-May 13 Questions about Videos Activities	25-May	<b>26-May</b> All Class Lecture Discuss Exam Problems 8.5	27-May	<b>28-May</b> Collab Act Due	<b>29-May</b> Videos: 9.3, 9.4
31-May 14 Questions about Videos Activities	1-Jun	<b>2-Jun</b> All Class Lecture Lecture 9.5 and 9.6	3-Jun	4-Jun All Class Lecture Wrap Up Final Exam Review Hw: 8.3-5	<b>5-Jun</b> Hw: 9.3-6
7-Jun 15 FINAL EXAM 10:30 AM - 1:00 PM	8-Jun	9-Jun	10-Jun	11-Jun	12-Jun

Link to a PDF of the schedule: MTH1013 Schedule SP21-1.pdf

## Course Summary:

Date	Details	Due
Mon Mar 1, 2021	<b>Week 1: Overview</b>	to do: 8am
	Class Zoom Information	to do: 1:30pm
	<b>Syllabus</b>	to do: 1:30pm

Date	Details	Due
Sun Mar 7, 2021	Week 1: Videos, Notes and Problems (1.3 and 1.4) (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623483)
	<b>₩eek 2: Overview</b>	to do: 8am
Mon Mar 8, 2021	<b>₩eek 2: Class Meetings and Handouts</b>	to do: 1:30pm
Fri May 40, 0004	Homework 1.1-1.2  (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623452)
Fri Mar 12, 2021	Week 2: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623453)
Sun Mar 14, 2021	Week 2: Videos, Notes and Problems (1.7 and 2.1) (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623484)
Mon Mar 15, 2021	<b>₩eek 3: Overview</b>	to do: 8am
Fri Mar 19, 2021	Homework 1.3-6 (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623454)
FIT Mar 19, 2021	Week 3: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623455)
Sun Mar 21, 2021	Week 3: Videos, Notes and Problems (2.4 and 2.5) (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623485)
	<b>₩eek 4: Overview</b>	to do: 8am
Mon Mar 22, 2021	<b>₩eek 4: Class Meetings and Handouts</b>	to do: 1:30pm
Fri Mar 00, 2004	Homework 1.7, 2.1-3 (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623456)
Fri Mar 26, 2021	Week 4: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignm	due by 11:59pm nents/623457)

Details	Due
Week 4: Videos, Notes and Problems (4.1 and 4.2)  (https://canvas.pointloma.edu/courses/55084/assignments	due by 11:59pm /623491)
<b>₩eek 5: Overview</b>	to do: 8am
<b>₩eek 5: Class Meetings and Handouts</b>	to do: 1:30pm
Homework 2.4-6, 3.1 (https://canvas.pointloma.edu/courses/55084/assignments	due by 11:59pm /623458)
Week 5: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignments	due by 11:59pm / <u>623459)</u>
Week 5: Videos, Notes and Problems (4.5) (https://canvas.pointloma.edu/courses/55084/assignments	due by 11:59pm /623487)
<b>₩eek 6: Overview</b>	to do: 8am
<b>₩eek 6: Class Meetings and Handouts</b>	to do: 1:30pm
Homework 4.1-4 (https://canvas.pointloma.edu/courses/55084/assignments	due by 11:59pm /623460)
Week 6: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignments	due by 11:59pm / <u>623461)</u>
<b>₩eek 7: Overview</b>	to do: 8am
<b>₩eek 7: Class Meetings and Handouts</b>	to do: 1:30pm
Exam 1 (https://canvas.pointloma.edu/courses/55084/assignments	due by 2:30pm / <u>596998)</u>
Homework 4.5-6, 5.1 (https://canvas.pointloma.edu/courses/55084/assignments	due by 11:59pm /623462)
	Week 4: Videos, Notes and Problems (4.1 and 4.2) (https://canvas.pointloma.edu/courses/55084/assignments   Week 5: Overview   Week 5: Class Meetings and Handouts   Homework 2.4-6, 3.1 (https://canvas.pointloma.edu/courses/55084/assignments   Week 5: Collaborative Activity (https://canvas.pointloma.edu/courses/55084/assignments   Week 5: Videos, Notes and Problems (4.5) (https://canvas.pointloma.edu/courses/55084/assignments   Week 6: Class Meetings and Handouts   Homework 4.1-4 (https://canvas.pointloma.edu/courses/55084/assignments   Week 6: Collaborative Activity (https://canvas.pointloma.edu/courses/55084/assignments   Week 7: Overview   Week 7: Overview   Week 7: Class Meetings and Handouts   Exam 1 (https://canvas.pointloma.edu/courses/55084/assignments

Date	Details	Due
Sun Apr 18, 2021	Week 7: Videos, Notes and Problems (5.2 and 5.3) (https://canvas.pointloma.edu/courses/55084/assignments/623	due by 11:59pm 489)
	<b>₩eek 8: Overview</b>	to do: 8am
Mon Apr 19, 2021	<b>₩eek 8: Class Meetings and Handouts</b>	to do: 1:30pm
Fri Apr 23, 2021	Week 8: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignments/623	due by 11:59pm 465)
Sun Apr 25, 2021	Week 8: Videos, Notes and Problems (6.1 and 6.2) (https://canvas.pointloma.edu/courses/55084/assignments/623	due by 11:59pm 490)
	<b>₩eek 9: Overview</b>	to do: 8am
Mon Apr 26, 2021	<b>₩eek 9: Class Meetings and Handouts</b>	to do: 1:30pm
	Homework 5.2-5 (https://canvas.pointloma.edu/courses/55084/assignments/623	due by 11:59pm 466)
Fri Apr 30, 2021	Week 9: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignments/623	due by 11:59pm 467)
Sun May 2, 2021	<b>Week 9: Videos, Notes and</b> Problems (7.1 and 7.2)  (https://canvas.pointloma.edu/courses/55084/assignments/623	due by 11:59pm 486)
	<b>₩eek 10: Overview</b>	to do: 8am
Mon May 3, 2021	<b>Week 10: Class Meetings and</b> Handouts	to do: 1:30pm
Fri May 7, 2021	Homework 6.1-4 (https://canvas.pointloma.edu/courses/55084/assignments/623	due by 11:59pm 468)

Date	Details	Due
	Week 10: Collaborative  Activity  (https://canvas.pointloma.edu/courses/55084/assignments/62344	due by 11:59pm
Sun May 9, 2021	Week 10: Videos, Notes and Problems (7.5 and 8.1) (https://canvas.pointloma.edu/courses/55084/assignments/62349	due by 11:59pm
Mon May 10, 2021	<b>₩eek 11: Overview</b>	to do: 8am
	<b>Week 11: Class Meetings and</b> Handouts	to do: 1:30pm
Fri May 14, 2021	Homework 7.1-4 (https://canvas.pointloma.edu/courses/55084/assignments/62344	due by 11:59pm
	Week 11: Collaborative Activity  (https://canvas.pointloma.edu/courses/55084/assignments/62344	due by 11:59pm
Mon May 17, 2021	<b>₩eek 12: Overview</b>	to do: 8am
	<b>Week 12: Class Meetings and Handouts</b>	to do: 1:30pm
Wed May 19, 2021	Exam 2 (https://canvas.pointloma.edu/courses/55084/assignments/59699	due by 2:30pm
Fri May 21, 2021	Homework 7.5, 8.1-2 (https://canvas.pointloma.edu/courses/55084/assignments/62344	due by 11:59pm
Sun May 23, 2021	Week 12: Videos, Notes and Problems (8.3 and 8.4) (https://canvas.pointloma.edu/courses/55084/assignments/5970	due by 11:59pm
Mon May 24, 2021	<b>₩eek 13: Overview</b>	to do: 8am
	<b>Week 13: Class Meetings and</b> Handouts	to do: 1:30pm

Date	Details	Due
Fri May 28, 2021	<b>Week 13: Collaborative</b> <u>Activity</u> ( <a href="https://canvas.pointloma.edu/courses/55084/assignments/623/4">https://canvas.pointloma.edu/courses/55084/assignments/623/4</a>	due by 11:59pm 447)
Sun May 30, 2021	Week 13: Videos, Notes and Problems (9.3 and 9.4) (https://canvas.pointloma.edu/courses/55084/assignments/623-	due by 11:59pm 493)
	Week 14: Overview	to do: 8am
Mon May 31, 2021	<b>₩eek 14: Class Meetings and Handouts</b>	to do: 1:30pm
Fri Jun 4, 2021	Homework 8.3-5 (https://canvas.pointloma.edu/courses/55084/assignments/6234	due by 11:59pm 448)
Sun Jun 6, 2021	Homework 9.3-6 (https://canvas.pointloma.edu/courses/55084/assignments/623/	due by 11:59pm 450)
	<b>₩eek 15: Overview</b>	to do: 8am
Mon Jun 7, 2021	FINAL EXAM: Monday 10:30- 1:00 PM (https://canvas.pointloma.edu/courses/55084/assignments/5976	due by 1pm 000)
Fri Jun 11, 2021	Attendance Points (https://canvas.pointloma.edu/courses/55084/assignments/6234)	due by 11:59pm