


Shared Syllabus for MTH3003 Problem Solving

Shared Syllabus for Problem Solving

	Mathematics, Information, and Computer Sciences College of Natural and Social Sciences MTH3003-1 Problem Solving 3 Units Pre – requisites: MTH0099
	Fall 2020: August 17 – December 4

Meeting days: TH	Instructor: Jesús Jiménez-Reyes , Professor of Mathematics	
Meeting times: MW 9:00 am – 10:15 am	Phone: 619-849-2634	
Meeting location: Online	Email: jjimenez@pointloma.edu	
Final Exam	Office hours:	TH 10:45 – 11:45 am, 1:30 – 2:50 pm
11/30/2020 (Mon): 4:30 pm – 7:00 pm		MW 1:30 – 4:30 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 becomes an expression of faith. Being of Wesleyan heritage, we aspire 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 general education course whose major goal is to develop the ability to solve non-routine problems through dynamic processes of inquiry and exploration, logical reasoning, making and testing conjectures and investigating implications of conclusions. A study of quantitative reasoning with emphasis on active problem solving and developing connections with other disciplines. Not applicable toward a major in Mathematics.

FOUNDATIONAL EXPLORATION

This is a PLNU Foundational Explorations course (a general education course).

PLNU provides a foundational course of study in the liberal arts informed by the life, death, and resurrection of Jesus Christ. In keeping with the Wesleyan tradition, the curriculum equips students with a broad range of knowledge and skills within and across disciplines to enrich major study, lifelong learning, and vocational service as Christ-like participants in the world's diverse societies and cultures.

FOUNDATIONAL EXPLORATIONS LEARNING OUTCOMES

- Students will be able to solve problems that are quantitative in nature.
- Students will be able to formulate a mathematical model from a verbal description of a problem.
- Students will be able to solve non-routine problems using logic and quantitative techniques.
- Students will be able to construct solutions to problems using computational techniques

COURSE LEARNING OUTCOMES

- Students will be able to formulate a mathematical model from a verbal description of a problem.
- Students will be able to solve non-routine problems using logic and quantitative techniques.
- Students will be able to construct solutions to problems using computational techniques

REQUIRED TEXTS AND RECOMMENDED STUDY RESOURCES

Excursion in Modern Mathematics, 9th Edition (Electronic Copy via MyLab and Mastering)

Peter Tannenbaum

PEARSON

COURSE CREDIT HOURS 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 15 weeks. Specific details about how the class meets the credit hour is provided below.

Online Quizzes	15.00
Online Homework	25.00
Written Group Homework	15:00
Reading Text	15.00
Watching Videos	25.00

Group Project	4.00
Budget Project	3.00
Chapter Post Test Reviews	15.00
Midterms	2.50
Final Exam	1:00
TOTAL	120.50

GRADE COMPONENTS

The grade components are written homework, written tests, online homework, online quizzes, projects, class participation, collaborative activities, discussions, partial exams, and the final examination.

OTHER FACTORS THAT AFFECT GRADES

- **Online Assignments:** Online assignments (online homework and quizzes) will be completed in MyLab and Mastering website. This will be available by purchasing an access code.
- **Collaborative Activities:** This will be peer-reviewed discussions using CANVAS.
- **Group Written Assignments:** Assignments collected must be prepared in a style suitable for grading. The following guidelines are used to determine credit:
 - the organization must be easy to follow
 - the work must be legible
 - complete solutions must be written for problems (not just answers); answers must be clearly marked
 - use complete sentences to answer questions
- **Tests and Final Examination:** Tests and the final exam 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 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. 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. 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 change the exam date and time for that particular student. The student must contact each professor in order to work out an alternate time for one of those examinations. Department chairs/school deans and college deans need not be involved in the process of making this accommodation. Such accommodations and the negotiations necessary to arrange them must be completed at least four weeks prior to the official time of the final examination.
- **Late work:** All assignments are to be submitted/turned in by the beginning of the class session when they are due—including assignments posted in Canvas. Late work need not be accepted. Work accepted late may be assessed a penalty. Make-up tests will be given only by prior arrangement with the instructor for reasons of documented emergency.

- **Incomplete grade:** Incompletes will only be assigned in extremely unusual circumstances. You may request a grade of I (incomplete) only if you are having a passing grade and at least 70% of the course work is completed.

GRADING SCALE

A passing grade requires getting at least 60% in one of the two tests or on the final exam. Grades are based on the number of points accumulated throughout the course. Approximate minimal percentages required to obtain a given grade are:

Grading Scale in Percentages				
	A	B	C	D
		(87.5, 90]	(77.5, 80]	(67.5, 70]
	(92.5, 100]	(82.5, 87.5]	(72.5, 77.5]	(62.5, 67.5]
	(90, 92.5]	(80, 82.5]	(70, 72.5]	[60, 62.5]

GRADING DISTRIBUTION

Grade Distribution	
Two Tests at 20% each	40%
Final Exam	25%
Online Homework	8%
Quizzes	5%
Online Pair Discussion	5%
Group Project	5%
Individual Budget Assignment	5%
Group Written Homework	5%
Attendance	2%
Total	100%

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) (<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.

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) (<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

Students taking online courses are expected to attend each week of the course. Attendance is defined as participating in an academic activity within the online classroom which includes posting in a graded activity in the course. (Note: Logging into the course does not qualify as participation and will not be counted as meeting the attendance requirement.)

Students who do not attend at least once in any 3 consecutive days will be issued an attendance warning. Students who do not attend at least once in any 7 consecutive days will be dropped from the course retroactive to the last date of recorded attendance.

See [Academic Policies](https://catalog.pointloma.edu/content.php?catoid=46&navoid=2650#Class_Attendance) [_ \(https://catalog.pointloma.edu/content.php?catoid=46&navoid=2650#Class_Attendance\)](https://catalog.pointloma.edu/content.php?catoid=46&navoid=2650#Class_Attendance) in the Undergraduate Academic Catalog. If absences exceed these limits but are due to university excused health issues, an exception will be granted.

Asynchronous Attendance/Participation Definition

A day of attendance in asynchronous content is determined as contributing a substantive note, assignment, discussion, or submission by the posted due date. Failure to meet these standards will result in an absence for that day. Instructors will determine how many asynchronous attendance days are required each week.

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) [_ \(https://www.pointloma.edu/offices/spiritual-development\)](https://www.pointloma.edu/offices/spiritual-development)

COURSE PHILOSOPHY

The general method of the course is to involve students in "dynamic processes of inquiry and exploration, logical reasoning, making and testing conjectures, and investigating implications of conclusions" [Catalog]. Specifically, the focus is on the processes and tools of quantitative problem solving. Learning what they are and developing ability to use them.

"Today's world is more mathematical than yesterday's, and tomorrow's world will be more mathematical than today's."

"...mathematics...serves as a key to opportunity and careers." [Everybody Counts, p.45, p.3]

"To participate rationally in a world where discussions about everything from finance to the environment, from personal health to politics, are increasingly informed by mathematics, one must understand mathematical methods and concepts, their assumptions and implications." [50 Hours, p.35]

In view of these statements and many other similar ones from national reports, this quantitative experience (MTH 303) has been included as part of the PLNU general education curriculum. Thus, all students will study "major

concepts, methods, and applications of quantitative reasoning with emphases on active problem solving" [Catalog].

COURSE APPROACH

The ability to solve problems requires resourcefulness, flexibility, and efficiency in dealing with new obstacles. Research on

teaching and learning problem solving suggests that certain factors are critical to successful problem solving, including resources, heuristics, control, and belief systems [Schoenfeld, 1985].

Resources refer to whatever information problem solvers understand (or misunderstand) that might be brought to bear on a problem.

Heuristic refers to strategies and techniques problem solvers have (or lack) for making progress when working on non-routine problems.

Control refers to the way problem solvers use (or fail to use) the information at their disposal.

Belief systems refer to the problem solver's "world view" of the problem domain, which determines the ways they use the knowledge in the first three categories.

The approach in MTH 303 develops and uses these factors to increase your problem-solving ability. Classroom techniques used include:

the teacher as role model

whole-class problem solving with teacher as control

small-group problem solving with teacher as coach

In addition, you are assigned readings and problems that will help you identify and make progress in the four areas discussed above.

COURSE METHODS

- *Use of groups:* There is almost a century of research showing that academic achievement, productivity, and self-esteem improve dramatically when students work together in groups. This method emphasizes teamwork, cooperation and support by others, rather than isolation and competition in learning.
- *Role of the classroom instructor:* There will be less direct "lecturing" in class than usual, with many questions "answered" by another question to help you work through your own questions and difficulties. You are expected to learn problem solving through active involvement - reading, writing, and explaining to others what you are thinking and doing.

This may require some adjustment in the way you think about teaching and learning. Initially, you may wish for more direct information and answers, but your patience and effort will be rewarded with a deeper understanding and increasing independence in problem solving, as well as confidence in your ability to tackle new problems.

COPYRIGHT PROTECTED MATERIALS:

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THE FINAL EXAM IS A COMPREHENSIVE EXAMINATION.

Successful completion of this class requires taking the final examination on its scheduled day.

The final exam date, time and place 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.

HOMEWORK PROBLEMS

These assignments are to be written up on paper and uploaded to CANVAS on or before the due date.

Chapter	Page	Problems	Due Date
1	32-34	# 30, 38, 50	8/28/2020
2	64-65	# 58, 64, 60	9/4/2020
4	129	# 26, 34, 40	9/18/2020
5	168	# 46, 54, 56	10/9/2020
6	199	# 40, 44, 52	10/16/2020
8	253	# 54, 56, 58	10/30/2020
10	323	# 60, 62, 70	11/20/2020

Comments on homework:

1. This is the minimum amount of homework that is required but you may need to do several odd numbered problems to make sure you get the answer in the textbook.
2. A homework assignment is late if it is not received at the start of class on the due date. No late homework will be accepted except by prior arrangement or with a documented emergency.
3. Please be sure that your homework is stapled together and the problems are in order.
4. Homework will be scored on a combination of completeness and correctness. All work necessary to complete a problem must be shown to earn credit.
5. Start working on your homework early. These problems are difficult and meant to be done a little at a time over the course of a few days.
6. When doing homework, please note it is normal to not be able to do every problem correct on the first attempt. Do not be discouraged, instead seek help.

REFERENCES

- Baron, J. B. and Sternberg, R. J. Teaching Thinking Skills: Theory and practice. (1987). New York: W. H. Freeman.
- Bransford, J. and Stein, B. (1984). The Ideal Problem Solver. New York: W. H. Freeman.
- Brown, Stephen I., and Marion I. Walter. (1983). The Art of Problem Posing. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Cheney, L. (Ed.) (19) 50 Hours (Cheney Report). HEW
- Curcio, F.R. (Ed.). (1987). Teaching and Learning: A problem solving focus. Reston, VA: NCTM.
- Duncker, K. (1945). On problem solving. Psychological Monographs 58, No. 5 Whole # 270.) Washington, DC: American Psychological Association.
- Dunham, William. (1990). Journey Through Genius: The great theorems of mathematics. New York: John Wiley & Sons.
- Eves, Howard. (1990). Foundations and Fundamental Concepts of Mathematics. 3rd ed. Boston: PWS-KENT.
- Eves, Howard. (1983). Great Moments in Mathematics. (2 vols.). The Mathematical Association of America.
- Gardner, Howard. (1985). The Mind's New Science. New York: Basic Books.
- Hofmann, J. E. (1957). The History of Mathematics. New York: Philosophical Library.
- Kilpatrick, Jeremy. (1987). "Problem Formulating: Where Do Good Problems Come From?" Cognitive Science and Mathematics Education, edited by Alan H. Schoenfeld, pp. 123-48. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Kline, M. (1962). Mathematics: A Cultural Approach. Reading, MA: Addison-Wesley.
- Kline, M. (1953). Mathematics in Western Culture. New York: Oxford University Press.
- Krulik, S. (Ed.). (1980). Problem Solving in School Mathematics. 1980 Yearbook of the National Council of Teachers of Mathematics. Reston, VA: NCTM.
- National Research Council. (1989). Everybody Counts: A Report to the Nation on the Future of Mathematics Education. Washington, DC: National Academy Press.
- Newell, A., and Simon, H. (1972). Human Problem Solving. Englewood Cliffs, J: Prentice-Hall.
- Papert, S. (1980). Mindstorms: Children, computers, and powerful ideas. New York: Basic Books.
- Paulos, John A. (1988). Innumeracy: Mathematical illiteracy and its consequences. New York: Hill and Wang.
- Peterson, Ivars. (1988). The Mathematical Tourist. New York: Freeman.
- Peterson, Ivars. (1990). Islands of Truth: A mathematical mystery cruise. New York: Freeman.
- Polya, G. (1945). How To Solve It. Princeton: Princeton University Press.
- Polya, G. (1954). Mathematics and Plausible Reasoning (2 vols.). Princeton: Princeton University Press.
- Polya, G. (1962 [Vol. 1] and 1965 [Vol. 2]; combined paperback edition, 1981). Mathematical Discovery. New York: Wiley.
- Polya, G., & Kilpatrick, J. (Eds.). (1974). The Stanford Mathematics Problem Book with Hints and Solutions. New York: Teachers College Press.
- Rolf, Howard L. (1988). Mathematics. Dubuque, IA: Wm. C. Brown.
- Schoenfeld, A. (1985). Mathematical Problem Solving. New York: Academic Press.
- Schoenfeld, A. (Ed.). (1987). Cognitive Science and Mathematics Education. Hillsdale, NJ: Lawrence Erlbaum.
- Steen, Lynn A. (Ed.) (1990). On the Shoulders of Giants: New Approaches to Numeracy. Washington, D.C.: National Academy Press.
- Tannenbaum, P. & Arnold, R. (1992). Excursions in Modern Mathematics. Englewood Cliffs, NJ: Prentice-Hall.
- Taylor A. (1995). Mathematics and Politics. Strategy, Voting, Power, and Proof. Springer-Verlag.
- Wickelgren, W. (1974). How to Solve San Francisco: W. H. Freeman.

Recent Announcements

MTH3003-1 FA20 - Problem Solving

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SIGN UP TO MYLAB AND MASTERING

Welcome to the Fall 2020 - MTH3003-1 course. (Problem Solving). Below are some steps you need to take to sign up to MyLab and Mastering (Pearson Website).

1. You will need a CREDIT CARD to pay for the access code to the Online Assignments and to the Online Textbook.
2. Instructions to Sign Up to MyLab and Mastering are found here: [MyLab and Mastering Sign Up](#). **You do not need a COURSE ID.**

COURSE ITEMS

1. You can read about me here: [Meet Your Instructor](#) or you may watch a video about me here: [Video](#) [_\(https://youtu.be/O_3vjo8LuS4\)](https://youtu.be/O_3vjo8LuS4)




[_\(https://youtu.be/O_3vjo8LuS4\)](https://youtu.be/O_3vjo8LuS4)


2. [Course Introduction](#) [_\(https://youtu.be/eQn4GFs2nbl\)](https://youtu.be/eQn4GFs2nbl)



[_\(https://youtu.be/eQn4GFs2nbl\)](https://youtu.be/eQn4GFs2nbl)

3. The full syllabus is found here: [Shared Syllabus for MTH3003 Problem Solving](#)
4. You full syllabus for the course in PDF is here: [Shared Syllabus for Problem Solving Fall 2020.pdf](#) 
5. The assignments are found here: [Assignments](#)
6. The weekly modules are found here: [Modules](#)
7. We will have graded and non-graded discussions about the course material here: [Discussions](#)
8. Here is a link to your textbook: [Textbook](#)

CALENDAR -- SCHEDULE

This is link to the calendar shown below. [Calendar and Schedule](#) 

MTH 3003 Schedule - Online

Notes:

Collaborative work typed in red.

All materials (videos, reading, and problems) are online.

All collaboration activities (e.g. forming groups) occur online.















Week	Videos & reading	Tasks due Before class	Synchronized Zoom class sessions consisting of mini lecture, group work (zoom break out rooms), prep for next week	Tasks due after class
1	Introduction to the course & course format	Send out email with instructions & sign up with Pearson	Introduction Cover Sections 1.1-1.3 Set up sections 1.4-1.5	Form groups and take survey of ice cream preference
2	1.1, 1.2, 1.3 (for reference) 1.4, 1.5	OA 1.1- 1.5	Mini lecture on trouble spots 1.1-1.5 Set up for sections: 2.1-2.3	Quiz #1 Turn in problems: Pages 32-34, #30, 38, 50 Post answers to prompts from chapter 1
3	2.1-2.3	OA 2.1-2.3 *Note skipped 2.4 Peer review on prompts for Chapter 1	Mini lecture on trouble spots 2.1-2.3 Set up sections 4.1, 4.2, 4.3	Quiz #2 Post answers to prompts from chapter 2 Turn in problems #58,64,68 from pages 64 & 65
4	4.1, 4.2,4.3	OA 4.1, 4.2, 4.3 Peer review on prompts for Chapter 2	Mini lecture on trouble spots: 4.1 & 4.2, 4.3 Set up for 4.4- 4.5	Group project: Part one- Forming groups and establishing what
















				problem needs to be solved
5	4.3-4.5	OA 4.4-4.5	Mini lecture on trouble spots: 4.5, 4.5 Prep for Exam #1	Quiz #4 Post answers to prompts from chapter 4 Turn in problems: Page 129 #26, 34, 40
6	None- review for exam #1	Prep for Exam #1 Peer review on prompts for Chapter 4	Exam #1	Group project: Part Two-working solving the project
7	5.1, 5.2, 5.3	OA 5.2, 5.3 *no problems for 5.1	Mini lecture on trouble spots: 5.1, 5.2, 5.3 Set up for section 5.4, 6.1, 6.2, 6.3	Group project: Part 3- writing up the project including some historical context.
8	5.4, 6.1, 6.2, 6.3	OA 5.4, 6.2, 6.3 * no problems for 6.1	Mini lecture on trouble spots: 5.4, 6.1, 6.2, 6.3 Set up for sections 6.4, 6.5	Quiz #5 Post answers to prompts from chapter 5 Turn in #46, 54, 56 on page 168
9	6.4, 6.5	OA 6.4, 6.5 Peer review on prompts for Chapter 5	Mini lecture on trouble spots: 6.4, 6.5 Set up sections 8.1, 8.2, 8.3	Quiz #6 Post answers to prompts from chapter 6 Turn in #40, 44, 52 starting on page 199
10	8.1-8.3	OA 8.2, 8.3 *no problems for 8. 1 Peer review on prompts for Chapter 6	Mini lecture on trouble spots: 8.2, 8.3 Set up sections 8.4, 8.5	Group Project: Part 4- finalize the write up and submit project.
















11	8.4, 8.5	O.A. 8.4 & 8.5	Mini lecture on trouble spots: 8.4, 8.5 Prep for Exam #2	Quiz #8 Post answers to prompts from chapter 8 Turn in #54, 56, 58 on pages 253 & 254
12	None- review for Exam #2	Prep for Exam #2 Peer review on prompts for Chapter 8	Exam #2	Read Budget Project & complete excel practice assignment.
13	10.1, 10.2, 10.3, 10.4	OA 10.1, 10.2, 10.3, 10.4	Mini lecture on trouble spots: 10.1, 10.2, 10.3, 10.4 Do sections: 10.5	Start working on next week's assignments
14	10.5	OA 10.5	Mini lecture o trouble spots: 10.5 Prep for final exam	Quiz #10- due on Monday at 10 am Post answers to prompts from chapter 10 Turn in #60, 62, 70 starting on page 323
15	Review for final	Peer review on prompts for Chapter 10	Thanksgiving!	
16	Finals week		Final exam on Monday 11/30	Budget assignment due on 12/4
















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(<https://community.canvaslms.com/t5/Student-Guide/tkb-p/student>)
















Course Summary:
















Date	Details	
Mon Aug 17, 2020	 Week 1 (Monday): Homework	to do: 11:59pm
	 Week 1: Videos, Links, and Handouts	to do: 11:59pm
Tue Aug 18, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48696&include_contexts=course_52092) 	9am to 10:30am
	 Week 1 Tuesday Zoom Meeting (75 minutes) (https://canvas.pointloma.edu/courses/52092/assignments/545211) 	due by 9am
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/530) 	10:45am to 11:45am
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/537) 	1:30pm to 2:50pm
Wed Aug 19, 2020	 Office Hours (https://canvas.pointloma.edu/appointment_groups/536) 	1:30pm to 4:10pm
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/534) 	1:50pm to 4:30pm
Thu Aug 20, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48697&include_contexts=course_52092) 	9am to 10:30am
	 Week 1 Thursday Zoom Meeting (75 minutes) (https://canvas.pointloma.edu/courses/52092/assignments/545216) 	due by 9am
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/531) 	10:45am to 11:45am
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/538) 	1:30pm to 2:50pm
Fri Aug 21, 2020	 Collaborative Activity Chapter 1 (https://canvas.pointloma.edu/courses/52092/assignments/528943) 	due by 11:59pm
	 Week 1 (Monday): Homework-2	to do: 11:59pm
















Date	Details	
Mon Aug 24, 2020	 Office Hours (https://canvas.pointloma.edu/appointment_groups/535)	1:30pm to 4:30pm
	 Week 2 (Monday): Homework	to do: 11:59pm
	 Week 2: Videos, Links, and Handouts	to do: 11:59pm
	 Introduction (https://canvas.pointloma.edu/courses/52092/assignments/532327)	due by 11:59pm
	 OA 1.1 (https://canvas.pointloma.edu/courses/52092/assignments/528939)	due by 11:59pm
	 OA 1.2 (https://canvas.pointloma.edu/courses/52092/assignments/528940)	due by 11:59pm
	 OA 1.3 (https://canvas.pointloma.edu/courses/52092/assignments/531266)	due by 11:59pm
	 OA 1.4 (https://canvas.pointloma.edu/courses/52092/assignments/531267)	due by 11:59pm
	 OA 1.5 (https://canvas.pointloma.edu/courses/52092/assignments/531268)	due by 11:59pm
Tue Aug 25, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48698&include_contexts=course_52092)	9am to 10:30am
	 Week 2 Tuesday Zoom Meeting (75 minutes) (https://canvas.pointloma.edu/courses/52092/assignments/545217)	due by 9am
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/541)	10:45am to 11:45am
Wed Aug 26, 2020	 Office Hours (https://canvas.pointloma.edu/appointment_groups/544)	1:30pm to 2:50pm
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/539)	1:30pm to 4:30pm
Thu Aug 27, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48699&include_contexts=course_52092)	9am to 10:30am


















Date	Details	
	 Week 2 Thursday Zoom Meeting (75 minutes) (https://canvas.pointloma.edu/courses/52092/assignments/545218)	due by 9am
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/543)	10:45am to 11:45am
	 Office Hours (https://canvas.pointloma.edu/appointment_groups/545)	1:30pm to 2:50pm
	 Group Written Homework 1 (https://canvas.pointloma.edu/courses/52092/assignments/531346)	due by 11:59pm
Fri Aug 28, 2020	 Quiz 1 (https://canvas.pointloma.edu/courses/52092/assignments/531309)	due by 11:59pm
	 Week 2 (Friday): Homework	to do: 11:59pm
	 Week 3 (Monday): Homework	to do: 11:59pm
	 OA 2.1 (https://canvas.pointloma.edu/courses/52092/assignments/531269)	due by 11:59pm
Mon Aug 31, 2020	 OA 2.2 (https://canvas.pointloma.edu/courses/52092/assignments/531270)	due by 11:59pm
	 OA 2.3 (https://canvas.pointloma.edu/courses/52092/assignments/531271)	due by 11:59pm
Tue Sep 1, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48700&include_contexts=course_52092)	9am to 10:30am
Thu Sep 3, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48701&include_contexts=course_52092)	9am to 10:30am
Fri Sep 4, 2020	 Collaborative Activity Chapter 2 (https://canvas.pointloma.edu/courses/52092/assignments/528944)	due by 11:59pm
	 Week 3 (Friday): Homework	to do: 11:59pm
	 Group Written Homework 2 (https://canvas.pointloma.edu/courses/52092/assignments/531615)	due by 11:59pm

















Date	Details	
Mon Sep 7, 2020	 Quiz 2 (https://canvas.pointloma.edu/courses/52092/assignments/531310)	due by 11:59pm
	 Week 4 (Monday): Homework	to do: 11:59pm
	 OA 4.1 (https://canvas.pointloma.edu/courses/52092/assignments/531272)	due by 11:59pm
	 OA 4.2 (https://canvas.pointloma.edu/courses/52092/assignments/531273)	due by 11:59pm
Tue Sep 8, 2020	 OA 4.3 (https://canvas.pointloma.edu/courses/52092/assignments/531274)	due by 11:59pm
	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48702&include_contexts=course_52092)	9am to 10:30am
Thu Sep 10, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48703&include_contexts=course_52092)	9am to 10:30am
	 Week 4 (Friday): Homework	to do: 11:59pm
Fri Sep 11, 2020	 Group Project Part 1 (https://canvas.pointloma.edu/courses/52092/assignments/532021)	due by 11:59pm
	 OA 4.4 (https://canvas.pointloma.edu/courses/52092/assignments/531275)	due by 11:59pm
Mon Sep 14, 2020	 Week 5 (Monday): Homework	to do: 11:59pm
	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48704&include_contexts=course_52092)	9am to 10:30am
Tue Sep 15, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48705&include_contexts=course_52092)	9am to 10:30am
	 Collaborative Activity Chapter 4 (https://canvas.pointloma.edu/courses/52092/assignments/531320)	due by 11:59pm
Fri Sep 18, 2020	 Week 5 (Friday): Homework	to do: 11:59pm

Date	Details	
	 Group Written Homework 4 (https://canvas.pointloma.edu/courses/52092/assignments/531616)	due by 11:59pm
	 Quiz 4 (https://canvas.pointloma.edu/courses/52092/assignments/531311)	due by 11:59pm
Mon Sep 21, 2020	 Week 6 (Monday): Homework	to do: 11:59pm
Tue Sep 22, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48706&include_contexts=course_52092)	9am to 10:30am
	 Exam 1 (https://canvas.pointloma.edu/courses/52092/assignments/511844)	due by 9am
Thu Sep 24, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48707&include_contexts=course_52092)	9am to 10:30am
Fri Sep 25, 2020	 Week 6 (Friday): Homework	to do: 11:59pm
	 Group Project Part 2 (https://canvas.pointloma.edu/courses/52092/assignments/532022)	due by 11:59pm
Mon Sep 28, 2020	 Week 7 (Monday): Homework  OA 5.2 (https://canvas.pointloma.edu/courses/52092/assignments/531278)	to do: 11:59pm
	 OA 5.3 (https://canvas.pointloma.edu/courses/52092/assignments/531292)	due by 11:59pm
Tue Sep 29, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48708&include_contexts=course_52092)	9am to 10:30am
Thu Oct 1, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48709&include_contexts=course_52092)	9am to 10:30am
Fri Oct 2, 2020	 Week 7 (Friday): Homework	to do: 11:59pm
	 Group Project Part 3 (https://canvas.pointloma.edu/courses/52092/assignments/532023)	due by 11:59pm










Date	Details	
Mon Oct 5, 2020	 OA 5.4 https://canvas.pointloma.edu/courses/52092/assignments/531293	due by 11:59pm
	 OA 6.2 https://canvas.pointloma.edu/courses/52092/assignments/531295	due by 11:59pm
	 OA 6.3 https://canvas.pointloma.edu/courses/52092/assignments/531296	due by 11:59pm
	 Week 8 (Monday): Homework	to do: 11:59pm
Tue Oct 6, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48710&include_contexts=course_52092	9am to 10:30am
Thu Oct 8, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48711&include_contexts=course_52092	9am to 10:30am
Fri Oct 9, 2020	 Collaborative Activity Chapter 5 https://canvas.pointloma.edu/courses/52092/assignments/531319	due by 11:59pm
	 Quiz 5 https://canvas.pointloma.edu/courses/52092/assignments/531314	due by 11:59pm
	 Week 8 (Friday): Homework	to do: 11:59pm
Mon Oct 12, 2020	 Week 1: Course Orientation	to do: 11:59am
	 OA 6.4 https://canvas.pointloma.edu/courses/52092/assignments/531297	due by 11:59pm
	 OA 6.5 https://canvas.pointloma.edu/courses/52092/assignments/531298	due by 11:59pm
 Week 9 (Monday): Homework	to do: 11:59pm	
Tue Oct 13, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48712&include_contexts=course_52092	9am to 10:30am
Thu Oct 15, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48713&include_contexts=course_52092	9am to 10:30am

Date	Details	
Fri Oct 16, 2020	 Collaborative Activity Chapter 6 (https://canvas.pointloma.edu/courses/52092/assignments/531321)	due by 11:59pm
	 Quiz 6 (https://canvas.pointloma.edu/courses/52092/assignments/531316)	due by 11:59pm
Mon Oct 19, 2020	 Week 9 (Friday): Homework	to do: 11:59pm
	 OA 8.1 (https://canvas.pointloma.edu/courses/52092/assignments/531299)	due by 11:59pm
	 OA 8.2 (https://canvas.pointloma.edu/courses/52092/assignments/531300)	due by 11:59pm
	 OA 8.3 (https://canvas.pointloma.edu/courses/52092/assignments/531301)	due by 11:59pm
Tue Oct 20, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48714&include_contexts=course_52092)	9am to 10:30am
	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48715&include_contexts=course_52092)	9am to 10:30am
Fri Oct 23, 2020	 Group Project Part 4 (https://canvas.pointloma.edu/courses/52092/assignments/532025)	due by 11:59pm
	 Week 10 (Friday): Homework	to do: 11:59pm
	 Week 3: Videos, Links, and Handouts	to do: 11:59pm
Mon Oct 26, 2020	 Week 4: Videos, Links and Handouts	to do: 11:59pm
	 OA 8.4 (https://canvas.pointloma.edu/courses/52092/assignments/531302)	due by 11:59pm
	 OA 8.5 (https://canvas.pointloma.edu/courses/52092/assignments/531303)	due by 11:59pm
Mon Oct 26, 2020	 Week 11 (Monday): Homework	to do: 11:59pm

Date	Details	
Tue Oct 27, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48716&include_contexts=course_52092)	9am to 10:30am
	 Exam 2 (https://canvas.pointloma.edu/courses/52092/assignments/511845)	due by 9am
	 Home Page Quick Links to Resources	to do: 11:59pm
	 Meet Your Instructor	to do: 11:59pm
	 Syllabus	to do: 11:59pm
Thu Oct 29, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48717&include_contexts=course_52092)	9am to 10:30am
Fri Oct 30, 2020	 Collaborative Activity Chapter 8 (https://canvas.pointloma.edu/courses/52092/assignments/531322)	due by 11:59pm
	 Week 11 (Friday): Homework	to do: 11:59pm
	 Quiz 8 (https://canvas.pointloma.edu/courses/52092/assignments/531317)	due by 11:59pm
Mon Nov 2, 2020	 Week 5: Videos, Links and Handouts	to do: 11:59pm
	 Week 12 (Monday): Homework	to do: 11:59pm
Tue Nov 3, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48718&include_contexts=course_52092)	9am to 10:30am
Thu Nov 5, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48719&include_contexts=course_52092)	9am to 10:30am
Fri Nov 6, 2020	 Week 12 (Friday): Homework	to do: 11:59pm
Mon Nov 9, 2020	 Week 13 (Monday): Homework	to do: 11:59pm
	 Week 6: Videos, Links and Handouts	to do: 11:59pm
	 Week 7: Videos, Links and Handouts	to do: 11:59pm

Date	Details	
	 OA 10.1 https://canvas.pointloma.edu/courses/52092/assignments/531304	due by 11:59pm
	 OA 10.2 https://canvas.pointloma.edu/courses/52092/assignments/531305	due by 11:59pm
	 OA 10.3 https://canvas.pointloma.edu/courses/52092/assignments/531306	due by 11:59pm
	 OA 10.4 https://canvas.pointloma.edu/courses/52092/assignments/531307	due by 11:59pm
	 OA 10.5 https://canvas.pointloma.edu/courses/52092/assignments/531308	due by 11:59pm
Tue Nov 10, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48720&include_contexts=course_52092	9am to 10:30am
Thu Nov 12, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48721&include_contexts=course_52092	9am to 10:30am
Fri Nov 13, 2020	 Week 13 (Friday): Homework	to do: 11:59pm
	 Week 6 Overview Copy	to do: 11:59pm
Mon Nov 16, 2020	 Week 8: Videos, Links and Handouts	to do: 11:59pm
	 Week 14 (Monday): Homework	to do: 11:59pm
Tue Nov 17, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48722&include_contexts=course_52092	9am to 10:30am
Thu Nov 19, 2020	 MTH3003-1 FA20 - Problem Solving https://canvas.pointloma.edu/calendar?event_id=48723&include_contexts=course_52092	9am to 10:30am
Fri Nov 20, 2020	 Collaborative Activity Chapter 10 https://canvas.pointloma.edu/courses/52092/assignments/531323	due by 11:59pm
	 Week 14 (Friday): Homework	to do: 11:59pm
Mon Nov 23, 2020	 Quiz 10 https://canvas.pointloma.edu/courses/52092/assignments/531318	due by 10am

Date	Details	
	 Week 15 (Monday): Homework	to do: 10am
	 Week 15 : Videos, LinkS, and Handouts	to do: 11:59pm
	 Week 9: Videos, Links and Handouts	to do: 11:59pm
Tue Nov 24, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48724&include_contexts=course_52092)	9am to 10:30am
Thu Nov 26, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48725&include_contexts=course_52092)	9am to 10:30am
Mon Nov 30, 2020	 FINAL EXAM (Monday 11/30/2020 at 4:30 pm) (https://canvas.pointloma.edu/courses/52092/assignments/511846)	due by 4:30pm
	 Week 10: Videos, Links and Handouts	to do: 11:59pm
	 Week 11: Videos, Links and Handouts	to do: 11:59pm
Tue Dec 1, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48726&include_contexts=course_52092)	9am to 10:30am
Thu Dec 3, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48727&include_contexts=course_52092)	9am to 10:30am
Fri Dec 4, 2020	 Textbook	to do: 11:59pm
	 Week 16 (Friday): Homework	to do: 11:59pm
Mon Dec 7, 2020	 Week 12: Videos, Links and Handouts	to do: 11:59pm
Tue Dec 8, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48728&include_contexts=course_52092)	9am to 10:30am
Thu Dec 10, 2020	 MTH3003-1 FA20 - Problem Solving (https://canvas.pointloma.edu/calendar?event_id=48729&include_contexts=course_52092)	9am to 10:30am
Mon Dec 14, 2020	 Week 13: Videos, Links and Handouts	to do: 11:59pm

Date	Details	
Mon Dec 21, 2020	 Week 14: Videos, Links and Handouts	to do: 11:59pm
	 Budget Project (https://canvas.pointloma.edu/courses/52092/assignments/532020)	
	 Budget Project and Excel (https://canvas.pointloma.edu/courses/52092/assignments/532026)	
	 Group Project: Parts 1, 2, 3, and 4. (https://canvas.pointloma.edu/courses/52092/assignments/532024)	
	 Group Written Homework 10 (https://canvas.pointloma.edu/courses/52092/assignments/531620)	
	 Group Written Homework 5 (https://canvas.pointloma.edu/courses/52092/assignments/531617)	
	 Group Written Homework 6 (https://canvas.pointloma.edu/courses/52092/assignments/531618)	
	 Group Written Homework 8 (https://canvas.pointloma.edu/courses/52092/assignments/531619)	
	 Textbook (https://canvas.pointloma.edu/courses/52092/assignments/537406)	