



Quantitative  
Techniques

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# PORTFOLIO

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MAT C606-2011

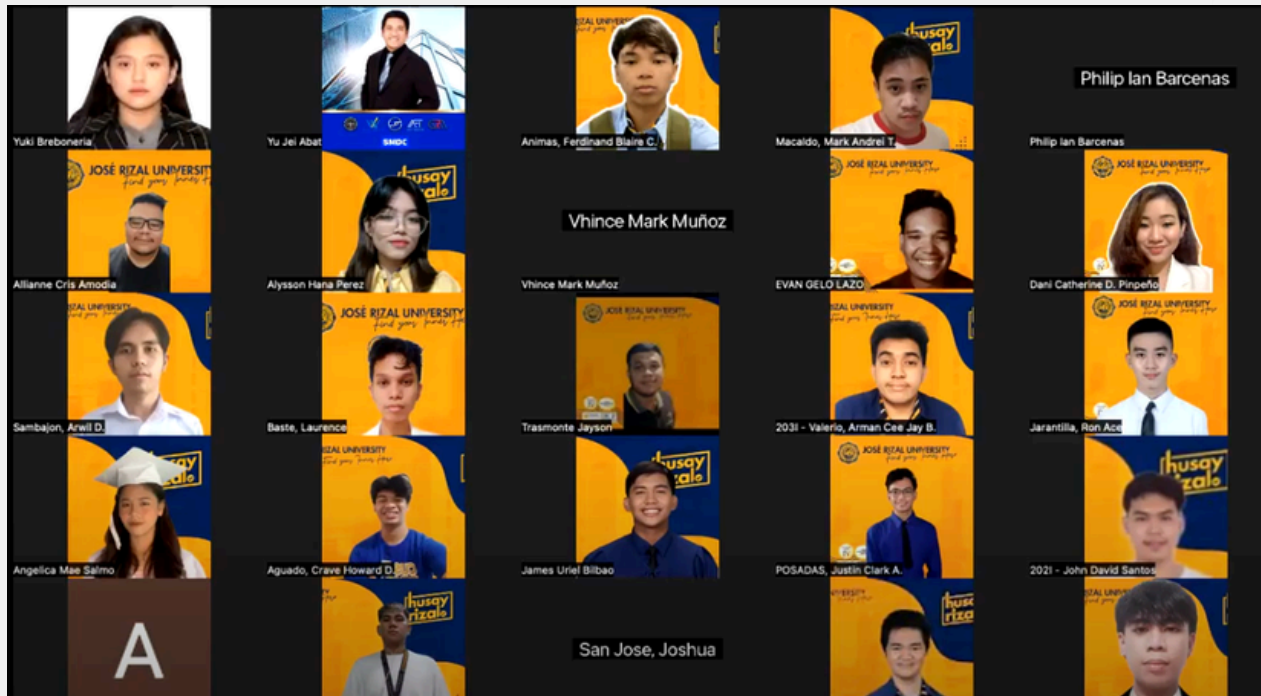
Shan Hiro Rosario

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Week 1

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## Orientation



The first week was simply an orientation, an explanation of the syllabus and the grading system.

## Discussion and Performance Task

MAT C606-2011  
Module 1 – Problem Set  
Shan Hiro Rosario

A. Round off the following to the nearest ten thousands:

1. 65,978  $\rightarrow$  70,000
2. 865,900  $\rightarrow$  870,000
3. 1,205,450  $\rightarrow$  1,210,000
4. 5,000,560,870  $\rightarrow$  5,000,560,870 (no change as it is already in the nearest ten thousand)
5. 1,980  $\rightarrow$  2,000

B. Determine how many significant numbers in each item:

1. 1,056  $\rightarrow$  4 significant figures
2. 2,000,000  $\rightarrow$  1 significant figure
3. 695,000  $\rightarrow$  3 significant figures
4. 895,010  $\rightarrow$  6 significant figures
5. 665,001,520  $\rightarrow$  9 significant figures

C. Solve the following questions, provide complete solutions:

1.  $(6 \times 3) + 8 = 18 + 8 = 26$   $26(6 \times 3) + 8 = 18 + 8 = 26$
2.  $[2 \times (6 - 10)] + 7 \times 5 = [2 \times (-4)] + 35 = [-8] + 35 = 27$   $[2 \times (6 - 10)] + 7 \times 5 = [2 \times (-4)] + 35 = [-8] + 35 = 27$
3.  $(9 \times 6) + 2 = 54 + 2 = 56$   $56(9 \times 6) + 2 = 54 + 2 = 56$
4.  $-2 - (-10 \times 5) = -2 - (-50) = -2 + 50 = 48$   $-2 - (-10 \times 5) = -2 - (-50) = -2 + 50 = 48$
5.  $[15 \times 3 (+2) + 6 + (4 \times 3) \times 2] - 10 = [15 \times 5 + 6 + (4 \times 3) \times 2] - 10 = [75 + 6 + 24] - 10 = 96 -$

After an online meeting about the Number Systems , we were tasked to answer a problem set created by Sir Yu Jei

## Week 3 - 4

# Discussion and Written Work

**Long Quiz 1 - Modules 1 and 2**

Due Feb 22 at 4pm   Points 50   Questions 25   Available after Feb 22 at 3pm   Time Limit 60 Minutes

**Instructions**

No calculators are allowed. Show your complete solution for every calculation.

**Attempt History**

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	33 minutes	44 out of 50

Quiz results are protected for this quiz and are not visible to students.

Correct answers are hidden.

Score for this quiz: 44 out of 50

• Previous   Next •

**Submission Details:**

Time:	33 minutes
Current Score:	44 out of 50
Kept Score:	44 out of 50

After an online meeting about the Fractions and Decimals Module ,  
~~we were tasked to answer the long quiz which was composed of both~~  
module 1 and 2 lessons.

## Week 5 - 6

# Asynch and Prelims Examination

The screenshot displays the Blackboard LMS interface for the course MAT C606-2011. The main content area shows the 'PRELIMINARY EXAMINATION SY2324' results. The exam details include: Due No due date, Points 50, Questions 50, Available after Feb 29 at 10:30am, and Time Limit 90 Minutes. The 'Attempt History' table shows one attempt with a score of 43 out of 50. The 'Submission Details' section shows a time of 27 minutes, a current score of 43 out of 50, and a kept score of 43 out of 50. A message states: 'Quiz results are protected for this quiz and are not visible to students. Correct answers are hidden. Score for this quiz: 43 out of 50'. Navigation buttons for 'Previous' and 'Next' are visible.

MAT C606-2011 > Quizzes > PRELIMINARY EXAMINATION SY2324

03/19/2023 20:21:10M

**PRELIMINARY EXAMINATION SY2324**

Due No due date Points 50 Questions 50 Available after Feb 29 at 10:30am Time Limit 90 Minutes

**Attempt History**

LATEST	Attempt	Time	Score
	Attempt 1	27 minutes	43 out of 50

Quiz results are protected for this quiz and are not visible to students.

Correct answers are hidden.

Score for this quiz: 43 out of 50

Previous Next

Submission Details:

Time: 27 minutes

Current Score: 43 out of 50

Kept Score: 43 out of 50

Online exam on what we have learned so far.



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# MIDTERMS

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MAT C606-201I



Shan Hiro Rosario

Week 7 - 8

## Discussion & Performance Task

The screenshot shows a Canvas LMS interface. On the left is a dark blue sidebar with icons for Account, Dashboard, Courses, Groups, Calendar, Inbox, History, and Help. The main content area has a breadcrumb trail: MAT C606-2011 > Assignments > PTS3.1 Inequalities & System of Linear Equation. Below this, the assignment title 'PTS3.1 Inequalities & System of Linear Equation' is displayed, along with a 'New Attempt' button. A metadata bar shows 'Due Mar 17 by 11:59pm', 'Points 20', 'Submitting a media recording or a file upload', 'Attempts 1', and 'Allowed Attempts 1'. The 'Instructions' section lists three steps: 1. Download/Open [PrelimActivity#2\\_LinearEqualities\\_Inequalities.pdf](#), 2. Use yellow pad paper in solving all problems given in the activity, and 3. Submit a recorded video during your solution process. Below the instructions is a file upload area with a 'Previous' button on the left and a 'Next' button on the right. On the right side of the page, the 'Submission' status is shown as 'Submitted!' with a checkmark, dated 'Mar 17 at 8:21pm'. It includes links for 'Submission Details', 'Download PTS2.1\_MAT C606\_SY2324\_RosarioShanHiro.pdf', and 'Download Solutionsvid.mp4'. The grade is '5 (20 pts possible)' and 'Graded Anonymously: no'. A 'Comments' section at the bottom right shows 'Document attached' and 'Resubmit Results Apr 10 at 3:13pm'.

We discussed about the Linear Equations and did a performance task online through canvas.

## Week 9 - 10

# Discussion & Performance Task & Quiz

MAT C606-2021 > Assignments > PTF3: Linear Inequalities

Due Mar 25 by 2pm Points 20 Submitting a file upload File Types pdf Attempts 1 Allowed Attempts 1

Solve for the following linear inequalities and complete the puzzle below:

**Across**

- $100 - x < 41$
- $x + 9 < 120$
- $x + 4 < 20$
- $x - 4 > 20$
- $2/5x < 18$
- $2x > 10$
- $x - 5 < 5$
- $x - 45 > 189$
- $x + 8 < 15$
- $x + 1 < 210$
- $3x > 99$

**Down**

- $2x < 100$
- $1/2 m < 7$
- $2x < 24$
- $x/8 > 8$
- $3x + x < 88$
- $5x > 100$
- $20 < x + 3$
- $x + 6 < 28$
- $8d < 24$

Specific Instructions:

- Use clean bond paper for your solutions.

Submission

✓ Submitted! Mar 23 at 3:34pm

Submission Details

Download PTF3.pdf

Grade: 20 (0% possible)

Graded Anonymously: no

Comments

Reported By: PTF3: Discussion, Don't Forget to Check, Search, Report

MAT C606-2021 > Assignments > PTS2: MidtermActivity#2 - Graphing Linear Equations & Inequalities

Due Mar 28 by 11:59pm Points 20 Submitting a file upload File Types pdf Attempts 1 Allowed Attempts 2

Solve the following:

I. Graph the following linear equations.

- $y + 3x = 3(x + 1)$
- $x - 2y = -2(y + 3)$
- $x + 3y = 2(y + 2) + y$
- $y = 3(x - 1) - x$
- $y + 2x = 4(x + 1) - 2x$

II. Given the following inequalities.

- Determine the y intercept
- Determine the slope
- Graph the inequalities using its slope and y-intercept

- $y \geq x + 1$
- $y < 2x - 4$
- $2y - 4 > -x + 2$
- $3y \leq y + x - 2$
- $y \geq x$

Specific Instructions:

- Use clean bond paper for your solutions.
- Scan or take photo of your solutions.
- Submit your final work in pdf file with filename: PTS2 MidAct2\_lastname\_firstname.

Previous Next

Submission

✓ Submitted! Mar 25 at 11:43am

Submission Details

Download PTS2 MidAct2\_Rosario\_Shan-Hiro.pdf

Grade: 16 (80% possible)

Graded Anonymously: no

Comments

No Comments



## Week 9 - 10

# Discussion & Performance Task & Quiz

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- Office 365
- Library Resources
- Announcements
- Google Drive

MAT C606-2011 > Quizzes > WW3 - Midterm Quiz#2 LinearEquations (F2F)

WW3 - Midterm Quiz#2 LinearEquations (F2F)

Due Apr 1 at 4pm Points 25 Questions 20 Time Limit 40 Minutes

**Instructions**

This examination is composed of three parts.

A. True or False  
B. Application  
C. System of Equation

For Section A, no solutions are needed. For Section B, you have to provide an explanation or solution to show how you arrived at your answer while for Section C you need to show your solution as indicated on each item. Solutions must be uploaded to a separate assignment posted in this module either through a PDF file for typewritten format or JPEG file for handwritten solutions. NO UNLOADED SOLUTIONS will be considered wrong.

**Attempt History**

Attempt	Time	Score
LATEST Attempt 1	40 minutes	8 out of 25

Quiz results are protected for this quiz and are not visible to students.

1 Correct answers are hidden.

Score for this quiz: 8 out of 25

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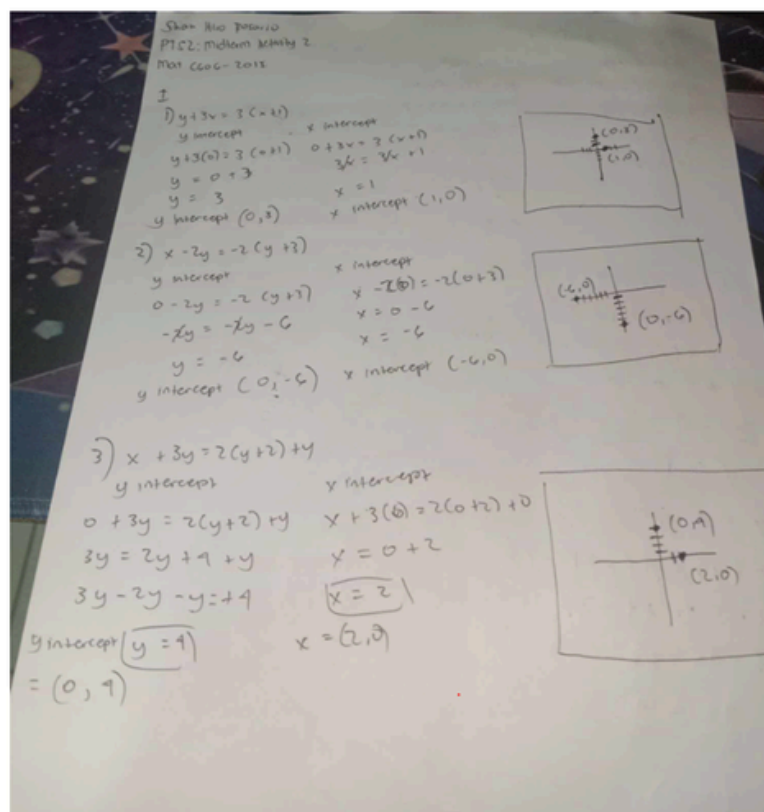
**Submission Details:**

Time: 40 minutes

Current Score: 8 out of 25

Kept Score: 8 out of 25

Shan Hiro Rosario  
PTS2: MidtermActivity#2 - Graphing Linear Equations & Inequalities  
MAT C606 - C2011



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Week 11 - 12

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## Discussion & Performance Task

MAT C606-2011 > Quizzes > WW2 - MidtermQuiz2 (F2F)

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**WW2 - MidtermQuiz2 (F2F)**

Due Apr 11 at 4pm    Points 25    Questions 10    Time Limit 30 Minutes

**Instructions**

Understand what is being asked before answering.  
Good luck!

**Submission Details:**

Time:	19 minutes
Current Score:	18 out of 25
Kept Score:	18 out of 25

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**Attempt History**

LATEST	Attempt	Time	Score
	<a href="#">Attempt 1</a>	19 minutes	18 out of 25

Quiz results are protected for this quiz and are not visible to students.

🔒 Correct answers are hidden.

Score for this quiz: **18** out of 25

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MAT C606-2011 > Assignments > LPP Exercise

## LPP Exercise

Due	Apr 8 by 4pm	Points	10	Submitting	a website url or a file upload	Available	Apr 8 at 3pm - Apr 8 at 7pm 4 hours
This assignment was locked Apr 8 at 7pm.							
This trial activity aims to check your understanding on Linear Programming Model.							
<ul style="list-style-type: none"> <li>Open the link below, make sure to "Make a Copy", rename the file as LPP_lastname1, lastname2, lastname3. <a href="https://docs.google.com/document/d/1G9Z7wY9mAluXCh7v6x6tHqZCScjyOgJ8kA4/edit?usp=sharing">https://docs.google.com/document/d/1G9Z7wY9mAluXCh7v6x6tHqZCScjyOgJ8kA4/edit?usp=sharing</a></li> <li>Solve the given problem.</li> <li>Submit the link to your Google Docs.net</li> </ul>							

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**Submission**

✓ Submitted!

**Apr 8 at 4:14pm (late)**

[Submission Details](#)

[View the Original Page](#)

Grade: 10/10 pts possible


Graded Anonymously: no

Comments  
No Comments

There is also the Midterms Project during this week but i will put it in another portfolio which compiles all my project documentations.

Week 11 - 12

# Midterms Exam



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MAT C606-2011 > Assignments > MIDTERM EXAM (F2F)

COL 1P 2023-2024 2 SEM

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Submission Details

MIDTERM EXAM (F2F)

Shan Hiro Rosario submitted Apr 18 at 12:18pm

Due Apr 18 at 12:30pm

Points 50

Questions 30


Available Apr 18 at 10:30am - Apr 19 at 3:30pm

Time Limit 85 Minutes

Instructions

Analyze each item carefully and upload your the image of your written solution (any paper will do) on the accompanying assignment in this module item.

Good luck!



This quiz was locked Apr 19 at 3:30pm.

Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	85 minutes	20 out of 50

Quiz results are protected for this quiz and are not visible to students.

① Correct answers are hidden.

Score for this quiz: 20 out of 50

Add a Comment:

Media Comment

Attach File

Save

Onsite Midterms Examination.



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# FINALS

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MAT C606-2011

Shan Hiro Rosario

## Week 13 - 14

# Discussion, Quiz and Performance Task (Onsite)

This screenshot shows the 'Submission Details' page for a Canvas LMS course. The breadcrumb trail at the top reads 'MAT C606-2011 > Assignments > Final Quiz1 (In-Person)'. The page title is 'Submission Details' with a 'Grade: 25 / 25' indicator. The assignment is titled 'Final Quiz1 (In-Person)' and has a due date of 'Due May 6 at 4:30pm', 25 points, 1 question, and a 30-minute time limit. A 'Take the Quiz' button is prominently displayed. The submission area is currently empty, with 'Previous' and 'Next' navigation links at the bottom. On the right, there is a comment section with an 'Add a Comment' text box, a 'Media Comment' button, and an 'Attach File' button. A 'Save' button is located below the comment section. The left sidebar contains navigation links for Account, Dashboard, Home, Syllabus, Zoom, Modules, Grades, Chat, Office 365, Library Resources, Announcements, Google Drive, Groups, Calendar, Inbox, History, and Help.

This screenshot shows the 'Submission Details' page for a Canvas LMS course. The breadcrumb trail at the top reads 'MAT C606-2011 > Assignments > PT55. TRIAD - BEP, Cost & Revenue'. The page title is 'Submission Details' with a 'Grade: 25 / 25' indicator. The assignment is titled 'PT55. TRIAD - BEP, Cost & Revenue' and has a due date of 'Due May 2 at 5pm', 25 points, 1 question, and no time limit. An 'Instructions' section contains the text: 'Form a group with 3 members, solve and complete the given problem. Write your solution on a clean yellow paper, take and photo and upload it here!'. A 'Take the Quiz' button is prominently displayed. The submission area is currently empty, with 'Previous' and 'Next' navigation links at the bottom. On the right, there is a comment section with an 'Add a Comment' text box, a 'Media Comment' button, and an 'Attach File' button. A 'Save' button is located below the comment section. The left sidebar contains navigation links for Account, Dashboard, Home, Syllabus, Zoom, Modules, Grades, Chat, Office 365, Library Resources, Announcements, Google Drive, Groups, Calendar, Inbox, History, and Help.

Week 15 - 17

# Discussion, Quiz, Performance Task (Onsite) & Final Project

The top screenshot displays the Blackboard LMS interface for the assignment 'PTS 5.2 LPP Graphical Solutions'. The left sidebar contains navigation links: Home, Syllabus, Zoom, Modules, Grades, Chat, Office 365, Library Resources, Announcements, and Google Drive. The main content area shows the assignment details: Due May 10 by 4:30pm, Points 30, Submitting a text entry box or a file upload, Attempts 2, and Allowed Attempts 2. The assignment instructions are as follows:

1. Solve for the Linear Programming Problems using Graphical Solutions. Make sure to clearly state the following:
2. Objective Function (min/max)
3. Subject Constraints
4. Non-negativity constraints
5. Graphical Solutions
6. Complete solutions inequalities or system of equations
7. Table for critical points


Check the problems here: [Graphical Solutions to Linear Programming Problems.pdf](#)

The right sidebar shows the submission status: Submitted! May 10 at 4:03pm, Submission Details, Download 5-5.2-LPP-Graphical-Solutions\_VILLANUEVA\_MENDOZA, Grade: 30 (30 pts possible), Graded Anonymously: no, and Comments: No Comments.

The bottom screenshot displays the 'Final Quiz 2 (In-person)' submission details page. The left sidebar is identical to the top screenshot. The main content area shows the quiz details: Due May 16 at 4:30pm, Points 25, Questions 1, and Time Limit 30 Minutes. A 'Take the Quiz' button is visible. The right sidebar shows the 'Add a Comment' section with a text box and buttons for 'Media Comment', 'Attach File', and 'Save'.

Finals Project is the same as the Midterms Project, they are both in a separate documentation file.

# E Portfolio & Finals Examination



- Account
- Download
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- Office 365
- Library Resources
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- Google Drive

MAT C606-2011 > Quizzes > FINAL EXAMINATION


COU BY 2022-2024 2:10PM

## FINAL EXAMINATION

Due May 23 at 4:30pm Points 50 Questions 29 Time Limit 90 Minutes

### Instructions


Read the descriptions/problems before answering. Answer appropriately.  
Good luck!



### Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	68 minutes	31 out of 50

Quiz results are protected for this quiz and are not visible to students.

 Correct answers are hidden.

Score for this quiz: 31 out of 50

[Previous](#)

**Submission Details:**

Time: 68 minutes

Current Score: 31 out of 50

Kept Score: 31 out of 50

The Examination was conducted Onsite.