MATH 114: Analytic Geometry and Calculus II
Spring 2021
Syllabus MATH114 – Asynchronous Learning

Instructor: Prof Kumnit Nong Office: Virtual Meeting
Phone: **202 – 743- 0066 (call or text)**
Email: **knong@gmu.edu (Subject Line: MATH 114)**

Office Hours: MW 10:30 - 12:00 & TR 11:00 – 12:00
Appointment Hours: MW 12:00 – 1:30 & TR 12:00 – 1:00
All office hours, please send me a text message, I will provide zoom meeting ID.

NOTE: This is an Asynchronized Classroom.

- All students expect to watch the all posted YouTube lectures by professor Leonard (Listed below).
- We will summarize lecture in classroom and give additional examples during class sessions.
- All students MUST sign up to mymathlab and do all homeworks and exams. (See information below.)

Prerequisite : Grade T, C or better in MATH113

Textbook: Thomas' Calculus: Early Transcendentals (14th Edition) By Hass

ONLINE ACCESS CODE NEEDED, See instruction below.
Course Code: NONG47634

Grading Policy:

- Everyone MUST have a way to scan work into PDF file format for submission to Blackboard.
- Homework assigned on mymathlab. (**10%)**
- Recitation Quizzes (see recitation syllabus for detail) **(20%)**
- Two exams **(40% each)** and Final exam (**30%**).
- All homework will be on mymathlab.
- ALL Exams will be on mymathlab. You MUST show all work to receive credits for each exam questions. Work must be submitted on blackboard using PDF file **within 30 min** of mymathlab submission. Each exam grade will be review along with

work submitted, mymathlab grade will be update accordingly. **If you do not show work, you do not earn credit.**

- If you missed any exams, you must get approval from instructor. It is up to instructor's decision to approve case by case scenario.

GMU Honor Code is in effect at all times

Final Exam Saturday May 8, 2021 at 1:30 PM – 4:10 PM

Grading scale : **A+ = 99+, A = 90-98.9, B+ = 87—89.9, B = 80- 86.9,**
C+ = 78- 79.9, C = 70-77.9, D = 60-69.9, F = 59.9 or below

Honor Code: **THIS IS IMPORTANT.**
It is expected that each student in this class will conduct himself or herself within the guidelines of the Honor Code. Among other things, this means that sharing information of any kind about exams or quizzes (either before or during the exam) will result, at a minimum, in a grade of zero for all parties involved. All work must be your own and submitted by you as the student registered for the class. The right is reserved to check a picture identification during any of the exams. Internet capable devices and other electronics are not allowed to be used or within your sight during exams. This includes but is not limited to calculators, computers, cell phones, tablets and smart watches. Any of these must be turned off and put away BEFORE an exam or quiz starts. Calculators may be used on the homework if necessary. See ***academicintegrity.gmu.edu*** for a copy of the Honor Code.

Cell Phones and Computers: I expect to receive the same level of respect that I give to you. This means that cell phones and computers are not to be used during class. Your cell phone (or any internet capable device) should be on silent or vibrate during lecture and I should not see them at all during tests or quizzes. If I notice you have a cell phone (or any internet capable device) in your line of sight during a test or quiz then I will assume that it is an Honor Code violation and take appropriate action. This could result in you failing the assignment, failing the class or being suspended from the university.

Accommodations: If you are a student with a disability and you need academic accommodations, please see me and contact the office of Disability Services. All academic accommodations must be arranged through that office. Office of Disability Services

Student Union Building I (SUBI), Room 4205 Phone: 703.993.2474

Unscheduled and Late Closings Policy: If the university has an unscheduled closing-because of weather or some other unforeseen occurrence you should assume that we will pick up with the schedule where we left off. In particular, if a test was scheduled for a day in which school was canceled or an assignment was due that day you should assume that the test will be given or the assignment will be collected the next time class meets. If the university has a late opening on a class day we will begin class at the time the university opens. A test scheduled for a day the university opens late will be postponed until

Final remarks: This class requires a lot of time to do all the necessary work. If you do not have the time, you are strongly urged to take this class some other semester. Obtaining Help There are many outlets available for you to get help in this class. I understand that the pace of the class is very quick so I will try to be available as much as I can to students. In addition to my set weekly office hours, I am very happy to schedule appointments.

Pearson | MyLab | Math

Student Registration Instructions

To register for MATH 114 Spring 2021:

1. Go to https://www.pearson.com/mylab.
2. Under Register, select **Student**.
3. Confirm you have the information needed, then select **OK! Register now**.
4. Enter your instructor's course ID: nong47634, and **Continue**.
5. Enter your existing Pearson account **username** and **password** to **Sign In**.

   You have an account if you have ever used a MyLab or Mastering product.

   - » If you don't have an account, select **Create** and complete the required fields.
6. Select an access option.

   - » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
   - » If available for your course,
     - Buy access using a credit card or PayPal.
     - Get temporary access.

   If you're taking another semester of a course, you skip this step.
7. From the You're Done! page, select **Go To My Courses**.
8. On the My Courses page, select the course name **MATH 114 Spring 2021** to start your work.

To sign in later:

1. Go to https://www.pearson.com/mylab.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password,** and **Sign In**.
4. Select the course name **MATH 114 Spring 2021** to start your work.

To upgrade temporary access to full access:

1. Go to https://www.pearson.com/mylab.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password,** and **Sign In**.
4. Select **Upgrade access** for **MATH 114 Spring 2021**.
5. Enter an access code or buy access with a credit card or PayPal.

Week of	Lecture Videos	Chapter-Section	Supplement Videos		
Jan 25 (W#1)	▪ Video A	• Intro to MATH 114 and Syllabus • CH 6.1 Volumes Using Cross-sections			
Feb 1 (W#2)	▪ Video A ▪ Video B ▪ Video C	• CH6.2 Volumes Using Cylindrical Shells • CH6.3 Arc Length • CH 6.4 Area of Surfaces of revolution •			
Feb 8 (W#3)	▪ Video A ▪ Video B	• CH 7.1 Logarithm Integral • CH 7.2 Exponential/ Separable Diff Eq • CH 7.3 Hyperbolic Function			
Feb 15 (W#4)	▪ Video A ▪ Video B	• CH 8.1 Basic Integration rules. • CH 8.2 Integration by Parts			
Feb 22 (W#5)	▪	• Review and EXAM 1 • See Blackboard for detail info			
Mar 1 (W#6)	▪ Video A ▪ Video B	• CH 8.3 Trigonometric Integrals • CH 8.4 Trigonometric Substitutions			
Mar 8 (W#7)	▪ Video A ▪ Video B	• CH 8.5 Partial Fraction • CH 8.8 Improper Integrals			
Mar 15 (W#8)	▪ Video A ▪ Video B ▪ Video C	• CH 10.1 Intro to Sequence • CH 10.2 Infinite Series • CH 10.3 The Integral Test			
Mar 22 (W#9)	▪ Video A ▪ Video B	• CH 10.4 Comparison Tests • CH 10.5 Absolute Convergence, The Ratio and Root Tests			
Mar 29 (W#10)	▪ Video A ▪ Video B	• CH 10.6 Alternate Series Test • CH 10.7 Power Series			
Apr 5 (W#11)	▪	• Review and EXAM 2 • See Blackboard for detail info			

Apr 12 (W#12)	▪ Video A ▪ Video B	• CH 10.8 Taylor Series • CH 10.9 Convergence of Taylor Series			
Apr 19 (W#13)	▪ Video A ▪ Video B ▪ Video C	• CH 11.1 Parametric Equation • CH 11.2 Calculus with Parametric Curves • CH 11.3 Polar Coordinate (Intro)			
Apr 26 (W#14)	▪ Video A ▪ Video B	• CH 11.4 Polar Equations • CH 11.5 Areas and Lengths in Polar Coordinates • CH 10.6 Intro to Conic Sections			
May 3 (W#15)	▪	Final exam Week and See Blackboard for detail info			