

# Syllabus of Math 1024 Calculus IV, CL01 Spring 2022

Professor: Zhongqiang Zhang

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Office hours: MWF 10:00-10:50am and by appointment (online via Zoom, see the course's Canvas website)

## Peer learning assistant

CD 04, Ian Coolidge    [iecoolidge@wpi.edu](mailto:iecoolidge@wpi.edu)

CD 05, Tiana Am    [tkam@wpi.edu](mailto:tkam@wpi.edu)

Class meetings: MTRF 11:00-11:50 am Classroom 500

Lectures for the first two weeks will be online via Zoom and will be recorded and uploaded to Canvas.

Conferences:

CD 04, Friday 12:00-12:50 pm    SH 309

CD 05, Friday 1:00-1:50 pm    SH308

## Required textbook

Thomas' Calculus: Early Transcendentals (14th Edition)

## Grading

Quizzes =  $2\% \times (6 - 1) = 10\%$      (20 minutes)

Homework = **20% (written) + 10% (lab)**     (weekly + biweekly)

Midterm = 30%     (on Feb. 07, Monday, 11-11:50 am)

Final Exam = 30%     (on March 04, Friday, 11-11:50 am)

Grades are given as follows: A (90 – 100), B (80 – 89), C (65 – 79), and NR otherwise.

## Course description

This course provides an introduction to series, parametric curves and vector algebra. Topics covered include numerical methods, indeterminate forms, improper integrals, sequences, Taylor's theorem with remainder, convergence of series and power series, polar coordinates, parametric curves, and vector algebra.

Recommended background: MA 1022 (Calculus II) and MA 1023 (Calculus III).

## Conferences

You will meet remotely with the Peer Learning Assistant (PLA) for conferences on Fridays. You will be able to ask the PLA questions on the material covered and homework. The PLA will go through some problems similar to homework problems.

## Homework

Problems will be assigned for each covered section of the book and will be posted on Canvas. Make sure that you turn in your homework on time, as late homework will

not be accepted and will be graded as zero. All homework will be submitted online via canvas, in PDF format.

You are encouraged to discuss homework problems with anyone. But you are expected to write your own homework in your own words.

Written homework will be due *11:59pm on Fridays*. No homework is due January 14, 2022.

### **Quizzes**

Only fives of them will be recorded, and the minimum grade will be dropped. For example, you will be scored zero if you miss a quiz once, but your grade will not be recorded. However, there are no make-up quizzes.

Online quizzes will be due *11:59pm on Sundays*. There is no quiz due January 16, 2022.

### **Final Exam**

The final exam will be on *March 04* (Friday, 11-11:50 am) in class or online.

### **Grading policy**

Make sure that your work is legible and done neatly; otherwise you will receive no credits for it.

No credits will be given if you have only answers to assignments, quizzes, and exams. You need to show both your answer and the work leading to it with proper wording or expressions.

### **Some statements**

Academic Dishonesty is not tolerated. Please be aware of WPI's Academic Honesty Policy <https://www.wpi.edu/about/policies/academic-integrity>.

### **Accessibility Services**

If you are eligible for course adaptations or accommodations because of a disability or if you have medical information to share with me, please make an appointment with me as soon as possible. If you are not sure about the eligibility for course adaption or accommodation, please contact the Office of Accessibility Services (OAS) via email: [AccessibilityServices@wpi.edu](mailto:AccessibilityServices@wpi.edu) and/or via phone: (508) 831-4908.