

Syllabus: Math 1023 -C10 Calculus III, C-term - Spring 2017

(CRN 23374 for registration on bannerweb)

Professor: Zhongqiang Zhang

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Office hours: Tuesday 2:00-2:50pm, Thursday 3:00-3:50pm and by appointment

Peer learning assistant Hoang, Quyen qthoang@wpi.edu

Instructor's assistant (lab) Jane Bouchard bouchard@wpi.edu

Class meetings: MTRF 4:00-4:50 HL154

Conferences: Monday 3:00-3:50 OH126

Maple Labs: Wednesday 10:00-10:50 SH003

Required textbook

Thomas' Calculus: Early Transcendentals (13th Edition) plus **MyMathLab** (Go to <http://www.mymathlab.com> and register with Course ID zhang79807)

Grading

Quizzes = $5\% \times 5 = 25\%$ (weekly)

Homework = 20% (weekly)

Midterm = 20% (on Feb 10, in class)

Final Exam = 25% (on Mar 03, 7:00pm -9:00pm)

Lab Assignments = 10% (weekly)

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. Although the course will make use of computers, no programming experience is assumed.

Recommended background: MA 1021 (Calculus I) and MA 1022 (Calculus II).

Conferences

You will meet with the Peer Learning Assistant (PLA) for conferences on Mondays. 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 instead of homework problems.

Maple computer Labs

You will meet with the Instructor's Assistant in the computer lab (SH003) weekly. You will learn how to use Maple and explore the mathematical ideas delivered in this calculus course. *There will be no make-up labs.*

If you do have legitimate reasons, such as illness, travel, etc., you should contact the lab instructor at least two days before the lab day so that the lab instructor can make arrangements for you to attend another section of the lab.

Homework

Written homework. Problems will be assigned for each covered section of the book and will be posted on myWPI (canvas) and the course web page. Make sure that you turn in your homework on time as late homework will not be accepted and will be graded as zero. If you have to miss the class on Thursday, turn in your homework to me before class meetings on Monday or Tuesday.

Online homework will be posted online using MyMathLab.

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

Homework will be due in class on Thursdays.

Quizzes

There will be 15-20 minute quizzes in conferences- five quizzes in total. There will be no make-up quizzes.

Final Exam

The final exam will be on *Mar 03*, from 7-9pm.

Some statements

You are encouraged to attend all the lectures. Though lecture attendance will not be monitored, you will be responsible for knowing everything delivered in class.

Cell phones and all electric devices should be turned off or muted.

Academic resources

Math Tutoring Center

The Mathematics Tutoring Center offers help in calculus, differential equations, statistics, and linear algebra. The Mathematics Tutoring Center is located outside of Stratton Hall 002A and is open Monday-Thursday 10am-8pm and Friday 10am-3pm. You can stop by at any time - no appointment is needed.

Math and Science Help (MASH)

The MASH leader for MA1023 is Peter Melander (pdmelander@wpi.edu). There will be three scheduled MASH sessions per week, beginning on *January 17*. The hours will be

Tuesday 7pm (EPC), Wednesday 2pm (ARC) Thursday 8pm (EPC) (ARC: Academic Resources Center in Daniels Hall, EPC: Exam Proctoring Center located between Network Operations and Morgan Dining)

Disability services

If you are eligible for course adaptations or accommodations because of a disability or if you have medical information to share with me about, please make an appointment with me as soon as possible. If you are not sure about the eligibility for course adaptations or accommodations, please contact the Disability Services Office (DSO), which is located in the Student Development and Counseling Center, 124 Daniels Hall and the phone number is 508-831-4908, e-mail is DisabilityServices@wpi.edu.

Academic honesty

Each student is expected to familiarize him/herself with WPI's Academic Honesty policies which can be found at <https://www.wpi.edu/about/policies/academic-integrity>. All acts of fabrication, plagiarism, cheating, and facilitation will be prosecuted according to the university's policy. If you are ever unsure as to whether your intended actions are considered academically honest or not, please contact me.