Kent State University - Stark Campus
MATH - ANALYTIC GEOM AND CALC II - 12003 - 602 (CRN: 15445)

SPRING 2021 Online Course

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Office Hours:

- Mondays: 9:00-noon, Virtual
- Tuesdays: noon-2:00pm, Virtual
- Wednesdays: 9:00am-noon, Virtual
- Thursday: 8am-10am, Virtual

Typically, if you wished to meet in person at Stark Campus, you would make arrangements via email. However, due to COVID-19 this may not be possible.
TEXT: We will be using a Flash Book, "Essential Calculus 2e" by Stewart. See https://www.kent.edu/studentaffairs/flashbooks for more information. This will give you access to WebAssign which is the site you will be using for Lessons, Homework, some Assignments and testing.

Required: At least a scientific calculator. A non-graphing or TI-82, TI-82 plus, TI-83, TI-83 plus, TI-84, TI-84 plus, TI-84 plus C, TI-84 plus CE graphing calculators are encouraged. Other graphing calculators will not be permitted on the proctored exams. TI-83 will be used in lectures.

Required: Webcam for testing

Course Description: This course introduces the subject of Calculus and its applications. We will tentatively cover Chapters 6-10.6. See page two for detailed learning outcomes given by the math department.

Course Policies:

1. Course grades are determined by:
10% - Lessons
10% - Homework
10% - May include Weekly Assignments, Surveys, Short Quizzes, Special Assignments, or Q&A Forums
70% - PROCTORED Tests (2 proctored midterm tests 20% each, comprehensive Final Exam 30% proctored)
Grading Scale: 90%-100% A; 80%-89% B; 70%-79% C; 60%-69% D; 0%-59% F (plus and minus grades will be assigned only in close cases)

2. You should complete all work the week in which it is given. Please stay alert to due dates. You will need to complete each week's work on time or you will quickly find yourself too far behind to catch up. If there are extenuating circumstances email the professor immediately attaching the appropriately scanned documentation.

3. You will be given approximately five days to take proctored exams. Make-up exams will only be given in extenuating circumstances and must have professional documentation for approval. These exams must be monitored via Proctorio.

- Midterm I - PROCTORED 20% of grade - Testing Window: Saturday, February 13th-Thursday, February 18th
- Midterm II - PROCTORED 20% of grade - Testing Window: Saturday, March 27th-Thursday, April 1st
- Final Exam - Comprehensive & Proctored - THIS IS 30% of your grade - Testing Window: Thursday, May 6th- Tuesday, May 11th

4. While there is no monitoring of how you conduct your weekly work it is assumed that you will give your full attention to your work when you view the videos, work on assignments or visit virtual office hours.

5. Appropriate language is expected both written and verbal during virtual hours. (This includes abbreviations.)

6. Office hours will not be held if the Stark Campus has classes canceled during the scheduled session.

7. The proctored final exam is required. Failure to show for the final exam may result in an F for the course.

Academic Honesty: Use of the intellectual property of others without attributing it to them is considered a serious academic offense. Cheating or plagiarism will result in a failing grade for the work or for the entire course. Repeat offenses result in dismissal from the University. University guidelines require that all infractions be reported to the Office of Student Conduct. Kent State University policy on academic honesty can be found at: https://www.kent.edu/policyreg/administrative-policy-regarding-student-cheating-and-plagiarism

Students with Disabilities: University policy 3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services (contact 330-244-5047; or visit http://www.kent.edu/stark/student-accessibility-services for more information on registration procedures).

Classes Canceled/Campus Closings: Announcements of class cancellations and/or campus closings will be made on the campus advisory page at www.kent.edu/stark/class-cancellations-advisories. In the case of an emergency, weather-related or otherwise, please check the homepage at www.kent.edu/stark for information. While information may be broadcast by radio and television, this should be confirmed by the homepage and FlashLine, which are the official announcement channels of the campus and will be used to determine issues related to student attendance, rescheduling of tests, and other concerns.

Withdrawal: If you are considering withdrawing from this course, please consult with a staff member in the Office of Student Services of your local campus. Withdrawal from a course can affect financial aid, student status, or progress within your major. For withdrawal deadlines, please refer to: http://www.kent.edu/registrar/fall-important-dates.

Learning Outcomes for Math 12003, Analytic Geometry and Calc II (https://www-s3-live.kent.edu/s3fs-root/s3fs-public/file/12003.pdf)
12003 Analytic Geometry and Calculus II (5)

Knowledge

The students should be able to develop their deeper understanding of the concepts they learned in Calculus I: limits, continuity, derivatives, rates of change, linear approximation and differentials, definite and indefinite integrals, inverse functions. They should also study the techniques and applications of integration; trigonometric, logarithmic and exponential functions; polar coordinates; vectors; parametric equations; sequences and series.

Comprehension

Should be able to decide whether the given series is divergent or convergent. Should understand the notions of tangent vectors, equations of lines and planes.

Application

The main and most important application is to solve many different problems related to the subject.

Analysis

Should be able to use the analytic techniques to attack geometric problems.

Synthesis

Should get used to combine their skills from elementary mathematical courses to solve the more advanced problems in Calculus.

Evaluation

Should be able to decompose the function into power series.

Class Activities

To solve problems and prove Theorems in class.

Out of class Activities

To submit every week home assignments.