Kent State University - Stark Campus
ANALYTIC GEOMETRY AND CALCULUS I - 10963- MATH 12002 - 620
Summer I 2020-06-04 through 2020-07-08

Summer 2020   Online Course
Instructor: Dr. Janice Kover   E-mail: jkover@kent.edu
Phone: (330)499-9600, ext. 53409 (email will get a faster response than voicemail)   Office: 409MH Stark Campus
website: www.personal.kent.edu/~jkover

Office Hours:

- Mondays: 9:30-10:30am, Virtual Only

- Tuesdays: 1pm-2pm, Virtual Only

- Wednesdays: 9:00-10:00am, Virtual Only

Note: Normally, if you wish to meet in person at Stark Campus, please make arrangements via email. However, under the current restrictions due to COVID-19 I will not be able to make any such arrangements. Thank you for your understanding.

Referenced Text : '"Calculus" V-1 Custom package by James Stewart (ISBN: 9780840002952) this is just the text that I reference. PLEASE NOTE: NO text is required.

Required: At least a scientific calculator. TI-82, TI-83, TI-83+ graphing calculators are encouraged. TI-83 will be used in lectures. Other graphing calculators will not be permitted on the proctored exams.

Course Description: This course introduces the subject of Calculus and its applications. We will tentatively cover Chapters 1-5, 7.1.See page two for detailed learning outcomes given by the math department.

Course Policies:

1. Course grades are determined by:
15% - Videos Lessons YOU ARE GRADED BY THE ACCOMPANYING QUIZZES - these are NOT optional
15% - May include Turn-In 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. Homework may be collected at any time. That is, you may be asked to scan your homework and turn it in.

4. 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. You will be required to use Proctorio during the testing because of COVID-19. Because of this the testing will be different than what has been my established pattern in previous semesters. However, you will use Proctorio for at least a portion of each proctored exam. Note that this will require you to have a properly working webcam to use Proctorio.

- Midterm I - PROCTORED 20% of grade - Testing Window: Friday, June 12th-Wednesday, June 17th

- Midterm II - PROCTORED 20% of grade - Testing Window: Wednesday, June 24th-Monday, June 29th

- Final Exam - Comprehensive & Proctored - THIS IS 30% of your grade - TESTING WINDOW: Friday, July 3rd-Wednesday, July 8th

5. 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. Keep in mind you must answer the questions in the Video Lessons in Moodle.

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

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

8. 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 Student Conduct Officer on our campus. Kent State University policy on academic honesty can be found at:

http://www2.kent.edu/policyreg/policydetails.cfm?customel_datapageid_1976529=2037779

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).

Office Hours Canceled/Campus Closings: Announcements of class cancellations and/or campus closings will be made on the campus home page. In the case of an emergency, weather-related or otherwise, please check the web page at stark.kent.edu for information on the buildings and times of the closing. While information may be broadcast by radio and television, this should be confirmed by the web page, which is the official announcement of the campus and which will be the information 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 12002, Analytic Geometry and Calc I

12002 Analytic Geometry and Calculus I (5)

Knowledge

The students should be able to understand the concepts of limits, continuity, derivatives, rates of change, linear approximation and differentials, definite and indefinite integrals, inverse functions. They should to formulate the Mean Value Theorem and the Fundamental Theorem of Calculus.

Comprehension

Should be able to compute the derivatives and integrals using basic differentiation and integration formulas.

Application

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

Analysis

Should be able to relate the derivatives and shapes of graphs. Should use this information for the curve sketching.

Synthesis

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

Evaluation

Should be able to find the derivative and indefinite integral of a constant, power function, trigonometric functions like sine and cosine, logarithmic and exponential functions. Should be able to evaluate areas between curves.

Class Activities

To solve problems and prove Theorems in class.

Out of class Activities

To submit every week home assignments.