Math 220 - Analytic Geometry and Calculus I - Summer 2019

Instructors:

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Lecture: M-F 10:20-11:35 am DUR 1052

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Lecture: M-F 8:00-9:15 am CW 131

Textbook: (not required, but recommended) Calculus Volume I (https://openstax.org/details/calculus-volume-1)

Prerequisites: MATH 100 (College Algebra) and MATH 150 (Plane Trigonometry)

Course Objectives: Students in MATH 220 will learn about and demonstrate understanding of the standard topics of Analytic Geometry and Calculus I, including but not limited to the following:
(i) limits,
(ii) rates of change,
(iii) derivatives,
(iv) antiderivatives,
(v) definite and indefinite integrals,
(vi) applications of preceding topics.

Exams: There will be three midterm examinations and one final examination. The exams will be held in class during the usual lecture time on the following dates:
1 Thursday, June 20
2 Wednesday, June 3
3 Thursday, July 18
4 (Final) Friday, August 2.

Students will have the 75 minutes allotted for lecture time to complete each exam. No calculators, notes, books, assistance from other people, etc. are allowed during exams. Each exam will focus primarily on material covered since the previous exam, but will also include material from earlier in the semester. The final exam in particular will be cumulative.

Exams, including the final, cannot be rescheduled for vacation, work, or other such reasons. If you will miss an exam due to university sanctioned activities or other extenuating circumstances, you need to notify your instructor as soon as possible, and you must provide documentation from the Office of Student Life or your club/organization advisor. Students missing an exam for a legitimate reason will make up the exam (with an alternate exam form) at a later date, as soon as possible. A student who misses an exam without a legitimate excuse will receive a score of 0 points on that exam.

Homework: There will be approximately 12 homework assignments, each due at 4:00 pm (unless otherwise specified) on the due date specified in the course schedule. Write your own name AND your instructor’s name on the top of the front page of your submission, staple all pages together in the appropriate order, and place submission in the homework box near Cardwell 120 labeled with your instructor’s name.

Students may use graphing calculators to help them on the homework, keeping in mind that they will not have a calculator on exams and therefore should not become too reliant on it. Students may work together on homework, provided each student writes their own final solution AND provided that no student copy an answer. You may not write your answer while referencing the work of another student; you must understand your answer when you write it.
Late homework will **not** be accepted.

**Attendance:** Attendance of class is not mandatory, in the sense that you will not receive points toward your grade for attending class, nor will you lose points for missing class. However, attendance of every class is highly recommended, because a student who misses class will likely fall behind quickly.

**Grades:** This course will follow the standard 90-80-70-60 scale for grading (i.e., a student scoring greater than or equal to 90% will receive an A, a student scoring less than 90% but greater than or equal to 80% will receive a B, etc.) There will be a total of 570 points available in the course, distributed as follows:
- Homework: 120 points (10 points each)
- Midterm Exams: 300 points (100 points each)
- Final Exam: 150 points.

**Extra help:** Your instructor will hold at least 3 hours and 45 minutes of office hours each week, during which time you may seek their assistance.

The mathematics department also has a help room in Cardwell 41, the schedule for which is posted here: [https://www.math.ksu.edu/courses/help/helpsche.pdf](https://www.math.ksu.edu/courses/help/helpsche.pdf).

You can find other resources for math help through the following page: [https://www.math.ksu.edu/courses/help/](https://www.math.ksu.edu/courses/help/).

Students are also encouraged to follow the instructions given in the Math Department’s guide to How to Succeed in K-State Math Courses: [https://www.math.ksu.edu/courses/help/succeed.pdf](https://www.math.ksu.edu/courses/help/succeed.pdf). Note that the recommendation in the guide that a student spend at least 8 hours per week studying material and doing problems is intended for a Fall/Spring semester class that meets 4 hours per week. Because of the accelerated pace of a summer course, this translates to at least 12.5 hours per week for this course (2 hours of work outside of class for every hour in class).

**Statement Regarding Academic Honesty:** Kansas State University has an Honor & Integrity System based on personal integrity which is presumed to be sufficient assurance in academic matters one’s work is performed honestly and without unauthorized assistance. Undergraduate and graduate students, by registration, acknowledge the jurisdiction of the Honor & Integrity System. The policies and procedures of the Honor System apply to all full and part-time students enrolled in undergraduate and graduate courses on-campus, off-campus, and via distance learning. A component vital to the Honor & Integrity System is the inclusion of the Honor Pledge which applies to all assignments, examinations, or other course work undertaken by students. The Honor Pledge is implied, whether or not it is stated: **“On my honor, as a student, I have neither given nor received unauthorized aid on this academic work.”**

A grade of XF can result from a breach of academic honesty. The F indicates failure in the course; the X indicates the reason is an Honor Pledge violation.

For more information, visit the Honor and Integrity System home web page.

**Statement Regarding Students with Disabilities:** Students with disabilities who need classroom accommodations, access to technology, or information about emergency building/campus evacuation processes should contact the Student Access Center and/or their instructor. Services are available to students with a wide range of disabilities including, but not limited to, physical disabilities, medical conditions, learning disabilities, attention deficit disorder, depression, and anxiety. If you are a student enrolled in campus/online courses through the Manhattan or Olathe campuses, contact the Student Access Center at accesscenter@k-state.edu, 785-532-6441.

**Statement Defining Expectations for Classroom Conduct:** All student activities in the University, including this course, are governed by the Student Judicial Conduct Code as outlined in the Student Governing Association By Laws, Article V, Section 3, number 2. Students who engage in behavior that disrupts the learning environment may be asked to leave the class.