Title: Math 101: Calculus I
Credit: 4-0-4

Objectives: To introduce the student to the basic concepts and methods of Calculus. Topics include: Limits and continuity of functions of a single variable. Differentiability. Techniques of differentiation. Implicit differentiation. Local Extrema. Concavity and inflection points. Applications: Related rates, Local linear approximation, Differentials, Curve sketching and optimization problems.

Grading Policy:

1. Exam I: 25% (100 points), a common written exam. It will be held on Monday, March 30, 2009.
2. Exam II: 25% (100 points), a common multiple choice exam. It will be held on Monday, May 11, 2009.
3. Class Work: 15% (60 points). It is based on quizzes (about 5 quizzes), homework, or other class activities determined by the instructor. Any quiz or test under class activity should be of a written type and not of a multiple choice type.
4. Final Exam: 35% (140 points), a comprehensive common multiple choice exam.

Class Work Average: The section average (X) of the Class Work out of 60 should satisfy

\[ X \in [36, 45]. \]

Exam Questions: The questions of the common exams are based on the examples, homework problems, recitation problems and the exercises of the textbook.

Missing One of the Two Common Exams I or II: No makeup exam will be given under any circumstance. When a student misses Exam I or Exam II for a legitimate reason (such as medical emergencies), his grade for this exam will be determined based on the existing Department formula which depends on his performance in the non-missing exam and in the final exam. Further, the student must provide an official excuse within one week of the missed exam.

Attendance: A DN grade will be awarded to any student who accumulates 12 unexcused absences (lecture and recitation).

Academic Integrity: All KFUPM policies regarding ethics apply to this course.