Course Prerequisite: MTH 171 or equivalent with a C– or better

Course Objectives:

♦ Complete the mathematical foundation for further study in mathematics, basic sciences, or engineering.
♦ Provide a thorough introduction to the theory and applications of integral calculus and sequence/series.
♦ Develop new problem solving skills and enhance critical thinking abilities.

Exams and Grading:

♦ Homework 15% IMPORTANT: NO EXTRA CREDIT
♦ Exams 1/2/3/4 50% (each exam 12.5% or 16.67%***)
♦ Gateway Exam 10% Wednesday, (subject to change)
♦ Final 25% MTWF 10: 5/7/14, 8–10
           MTWF 11: 5/6/14, 10:15–12:15

Homework

♦ Homework may be done in groups (each student must hand in an assignment).
♦ Homework may be an in-class assignment. These can not be made up.
♦ Assigned problems are on a separate handout as well as on my webpage.
♦ Due dates will be announced in class.
♦ You must show your work to receive full credit (where applicable).
♦ Late homework will be penalized/not accepted.
  ♦ Homework will be considered late if not in my office by 3:30 on the due date unless prior arrangements have been made.
  ♦ Homework will not be accepted after the assignment is returned to the class unless prior arrangements have been made.

Exams 1/2/3/4:

♦ Make-up exams will not be possible without prior arrangements–and the reason for missing an exam must be compelling and perhaps more importantly, documented. Exams taken after the scheduled date will be more difficult.
♦ Exams will resemble homework problems and problems done in class.
♦ TI–89’s or higher (or equivalent) will NOT be allowed during exams.
♦ ***The lowest exam 1/2/3/4 score will be dropped IF

      (homework average) × (percentage of submitted assignments) > 50%
Gateway Exam:
◊ Will consist of problems evaluating definite and indefinite integrals without a calculator. The exam will be 30 minutes.
◊ Like Exams 1/2/3/4, a make-up for the Gateway will not be possible without prior arrangements—and the reason for missing the exam must be compelling and documented.
◊ You must score 75 or better on the Gateway to pass MTH 172.
◊ Students who do not pass will have two additional attempts outside of class.
  ◦ Passing on the second attempt earns 90% of the score.
  ◦ Passing on the third attempt earns 80% of the score.
◊ Passing the Gateway does not guarantee passing the class.

Final Exam:
◊ Will be cumulative.
◊ TI-89’s or higher (or equivalent) will NOT be allowed during the final.

General Philosophy/Attendance:
◊ College prepares you for a professional position.
◊ In the working world, you are responsible for your career and you are accountable for your decisions. For example, class attendance is expected (just as you are expected to go to work), but not required.

Important Dates:
MLK Day (Holiday) January 20, 2014
Last Day to Change/Add a Class January 24, 2014
First Exam January 31, 2014 (subject to change)
Gateway February 12, 2014 (subject to change)
President’s Day (Holiday) February 17, 2014
Second Exam February 21, 2014 (subject to change)
Spring Break March 8–16, 2014
Saint Martin’s Day (Holiday) March 21, 2014
Third Exam March 26, 2014 (subject to change)
Last Day to Withdraw From a Class March 28, 2014
Fourth Exam April 16, 2014 (subject to change)
Easter Recess (Holiday) April 18–21, 2014
Last Day of Classes April 30, 2014
Final Exam MTWF 10: 5/7/14, 8–10
          MTWF 11: 5/6/14, 10:15–12:15

Students with Disabilities:
If you need course adaptations or accommodations because of a disability, if you have a medical and/or safety concern to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.

For those of you who plan to take MTH 271/322/353/357:
If you do not earn a C— or better in MTH 172 this semester, you will not be allowed to take MTH 271 (Vector Calculus), MTH 322 (Differential Equations), MTH 353 (Linear Algebra), and/or MTH 357 (Probability and Statistics) until you do earn a C— or better in MTH 172!!