MATH 136 – 35949   Calculus I   Spring 2011

Section 011   M W F 11:30 – 12:25   COHH 2117
4 credit hours   T R 11:10 – 12:05

Prerequisite   Enrollment in the Gatton Academy of Mathematics and Science; and completion of MATH 117 with a grade of C or better or direct placement into the course via ACT and MPE scores.

Professor   Dr. David K. Neal   COHH 4136   745-6213
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Office Hrs   MW 11:00 – 11:30, 1:40 – 2:10;   T R 12:10 – 1:00;   F 11:00 – 11:30, or by appointment

Text   Save your money. No text is required. Course notes will be provided in pdf format at **http://people.wku.edu/david.neal/136/indexa.html**

For additional reference on any topic, use any standard calculus text.

Course Description   **MATH 136** is the first of the foundation sequence of courses that apply toward the mathematics major. It also satisfies General Education Category D–II. The course is designed for students majoring or minoring in mathematics and for students studying the physical sciences or engineering. The course covers standard topics of single-variable calculus on limits, differentiation, integration, and their applications. Included are trigonometric, exponential and logarithmic functions, the Fundamental Theorem of Calculus, and Integration by Substitution

Homework will be assigned daily but will not be collected or graded. Each test though will be based on assigned problems and material covered in class. Details of the tests will be outlined several days in advance of each test.

This section of MATH 136 is designated and required for students in the Gatton Academy.

Gen. Ed. Disclaimer   The General Education goal of this course is to provide students with the ability to understand and apply mathematical skills and concepts. After completing MATH 136, students should be able to use fundamental mathematical reasoning principles; use graphical, symbolic, and numeric methods to solve practical problems; and interpret information presented in tables or graphical displays.

Calculator   A graphing calculator will be needed and the TI-84 is recommended. Students may not use a TI-89 or any calculator with symbolic calculation ability on tests and quizzes.

Homework   Exercises will be assigned for practice, but these problems will not be graded. During recitation, there will be time in class to go over these homework exercises.

Quizzes   During recitation days, there may be a short in-class quiz on the homework exercises.

Attendance Policy

Registration in this course obligates you to be regular and punctual in class attendance. Therefore, every student is expected to attend every class. If you miss a class, then you must provide a legitimate, documented, written excuse upon returning to class in order for the absence to be excused. If you accrue three *unexcused* absences, then you will automatically receive an F in this course if you do not withdraw on your own.

Please be aware that a note stating that you visited Student Health Services does not guarantee an excused absence unless it specifically states that you had a serious ailment that prevented you from attending class such as an aneurysm, a ruptured spleen, or a nervous breakdown.

Tests

Each test will be based on class lectures and distributed study sheets. A practice test with solutions will be provided about a week and a half in advance of each test. The tests will be closed-book with no formula sheets allowed. A certain portion of each test may be so that *no calculators are allowed*.

Test Dates

Test 1: Fri Feb 11   **Test 2:** Thurs Mar 3   **Test 3:** Tues Mar 29
Test 4: Tues Apr 12   **Test 5:** Thurs Apr 28

Final Exam: Tuesday May 10 10:30 AM – 12:30 PM.

On test days, the classroom is a testing zone. Do not bring any open notes into the classroom. If you do so, then you will be asked to leave and you will not be given a test. Do not at any time look at or use your cell phone in the classroom. If you do so, then you will be asked to leave and your test will not be graded.

Make-Up Policy

Students are expected to take all tests in class on the days that they are scheduled. No rescheduling will occur. All requests for taking tests at other times will be denied. Your desire to attend another event will not be cause for me to give you a make-up because this class takes priority over all other events scheduled at this time including travel to or from other activities. If you desire to attend another event, then you should cancel, re-schedule, or request to be excused from that event so that you can take your scheduled exam.

Make-ups exams will be given only to students who miss due to a documented physical ailment, such as those described in the Attendance Policy, or due to some other documented calamity such as an earthquake, tornado, nuclear holocaust, etc. But the make-up will have to be scheduled at my convenience due to the time required for me to draft a new exam and due to the block of time required of me to proctor a make-up.

Grading Policy

In order to receive a passing grade for this class, you must demonstrate that you have learned the material and that you have learned it well. The grades will be weighted as follows:

Quizzes   Five Tests   Final Exam
Each 1/7th of your grade

If you score below 70% on any test or on your overall quiz average, then you will automatically receive an F. Otherwise, grades will be determined as follows:

A: Excellent Work   **B**: Very Good Work   **C**: Good Work   **F**: Not So Good

Typically, excellent is at least a 95% average, very good is at least an 87.5%, and good is at least an 80% average. Any curve will be reserved solely for students who have *zero* unexcused absences.

Withdrawal Date

Friday March 18, 2011 is the last day to withdraw from the course with a grade of W or to change enrollment from credit to audit.

Mathematics Tutor Lab

For free extra help in the class, tutors are available in the Math Lab in COHH and in the Student Learning Center. Please check at these facilities for the specific times and availability of tutors. The Gatton Academy also may provide tutors. Please check on your own for availability.

Disability Services

Students with disabilities who require accommodations, academic adjustments, and/or auxiliary aids or services for this course must contact the Office for Student Disability Services in DUC A-200. The OFSDS telephone number is 745-5004 (or 745-3030 TTY). Please do not request accommodations directly from the professor without a letter of accommodation from the Office for Student Disability Services.

Please feel free to see me if you ever need any other help with the class or if you'd like to discuss any other matter. Good luck in the course!