



Chattahoochee Technical College

Syllabus

Jim Rutherford/Chat-Tec.com 1/2/2008

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1	Course information	Quarter: 200901 Course Prefix(Subject): MAT Course Number: 291 CRN: 10351 Course Title: Calculus II Credits: 5 Class Hours: M 3:15 VAU B105 Lab Hours:
3	Instructor Contact Information	Phone #: 770-528-4497 Email: jrutherford@chat-tec.com Office Room #: B209.1 Office Hours: Monday, Wednesday: 1PM-3PM Tuesday: 5PM-6PM
4	School/Program	School of Related Arts and Sciences Program: Math
5	Prerequisite	MAT 195
6	Corequisite	
7	Course Description	This is a course in integral calculus. It includes coverage of the Fundamental Theorem of Calculus, the calculation of areas and volumes, the calculation of Work, the average value of a function. The course also includes the derivatives of exponential, logarithmic, and inverse trigonometric functions.
8	Texts	Thinkwell Calculus license
9	Supplies	TI-83 or higher calculator

10	Course Goals and Objectives	<p>After completing the course you should be able to do the following :</p> <ol style="list-style-type: none"> 1) Find the most general derivative of a function. 2) Utilize sigma notation 3) Calculate area using the limiting value of approximating polygons. 4) Utilize properties of definite integrals. 5) Utilize the Fundamental Theorem of Calculus. 6) Use the substitution rule for integrals. 7) Calculate the area between the curves. 8) Calculate volumes using the disk and shell methods. 9) Calculate the Work done by a variable force. 10) Calculate the average value of a function. 11) Evaluate the derivative of inverse functions. 12) Integrate exponential, logarithmic, and inverse trigonometric functions. 						
11	Expected Student Outcomes	<p><i>(What the student should be able to do after completion of the class)</i></p> <p>To complete the course you must fulfill the following requirements:</p> <ol style="list-style-type: none"> 1) Take all tests and the final. 2) Complete all homework. 3) Accumulate no more than three absences. It is the students responsibility to be recorded as present when in class. 						
12	Daily Assignments & Procedures	<p>Assignments and Dates Due: Assignments will be posted weekly on the Thinkwell web site. Tests are due at the beginning of the next class period. After the due date and time, the assignments will be available for four more days for those doing them late. The highest score on a late assignment will be capped at 80% .</p>						
13	Testing Procedures	<p>Tests will be on-line</p>						
14	Make-up Procedures	<p>If you can not take a test, you MUST call my office and leave a message on the answering machine no later than the scheduled exam date. A valid excuse with proof is required for taking a make-up test. Make-up tests must be taken one week from the scheduled date and can only be taken once.</p>						
15	Grades	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Tests</td> <td style="text-align: right;">70%</td> </tr> <tr> <td>Homework</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Attendance</td> <td style="text-align: right;">10%</td> </tr> </table>	Tests	70%	Homework	20%	Attendance	10%
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ITEMS BELOW ARE AS THEY APPEAR IN THE CHATTAHOOCHEE TECHNICAL

20 **Grading Criteria**

Grades are issued at the end of each quarter. All grades earned will remain on the official transcript. The following grading system is used:

Grade \ Standard \ Numerical Equivalent

A (90-100) \ Excellent \ 4

B (80-89) \ Good \ 3

C (70-79) \ Satisfactory \ 2

D (60-69) \ Poor \ 1

F (0-59) \ Failing \ 0

WF Withdrawal Failing \ 0

WP Withdrawal Passing \ Not Computed

W Withdrew \ Not Computed

I Incomplete \ *Not Computed

TR Transfer Credit \ Not Computed

EX Credit by Examination \ Not Computed

AU Audit \ Not Computed

U Unsatisfactory \ Not Computed

(Institutional Credit Only)

SC Satisfactory Completion \ Not Computed

(Institutional Credit Only)

* A grade of "I" becomes an "F" if student does not satisfactorily complete coursework by end of third week of new quarter. This grade of "F" will be computed in the student's GPA.

Grade Point Average (GPA)

A student's quarterly GPA is computed by dividing the number of credit hours in the courses attempted for the quarter in which a grade of A, B, C, D, F, or WF was received into the number of quality points earned on those hours scheduled for the quarter. Quality points are determined by multiplying the numerical grade equivalent by the number of credit hours for each course.

Quality Points Earned/Credit Hours Earned = GPA

21 **Work Ethics**

The work ethics evaluation is designed as a constructive tool to teach the skills and habits that students will need to be successful in the world of work. The evaluation process consists of a formal report at mid-term and at the end of the quarter. A work ethics grade of 0, 1, 2, or 3 will be assigned to students in all courses in accordance with Georgia Department of Technical and Adult Education standards. The work

ethics grade will be displayed on the student's official transcript but will not affect the academic grade point average.

22 **Attendance Statement**

Students are expected to be punctual and attend all classes for which they are registered. Each student should recognize at the beginning of his/her postsecondary career that a mature acceptance of his/her responsibilities is a requisite for reasonable accomplishment in postsecondary work; this applies particularly in the area of class attendance. Instructors will keep an accurate record of class attendance. Students anticipating an absence or tardiness should contact the instructor in advance or provide notification as soon as possible. It is the responsibility of the student to account for instructional time missed and to make arrangements for make-up work at the convenience of the instructor. If the student does not attend classes, submit assignments, or "when applicable" contact instructors in a timely manner (either in person or by telephone), a failing grade(s) may be issued. Students are advised of the attendance policy by the instructor. Special attendance policies may be required for some progra

ms.

"No Show" Attendance Policy

Any student reported as a "no show" by an instructor will be administratively withdrawn from that class and will not be eligible for reinstatement.

The definition of a "no show" is a student who registers for a class and meets the following criteria:

- * Does not attend the first two class sessions of any course that meets daily.
- * Does not attend the first two class sessions of a course that meets twice a week.
- * Does not attend the first class session of a course that meets once a week.

23 **Withdrawal Statement**

Through the end of the eighth (8th) week of the quarter, a student may drop part or all courses from his or her schedule. To withdraw from classes, a student must obtain a Withdrawal Form through the Registrar's Office, obtain the signature of the instructor, sign and date the form, and submit it to the Registrar's Office no later than the end of the eighth (8th) week of the quarter.

A student who stops attending a class but does not complete a Withdrawal Form and submit it to the Registrar's Office in the required manner will remain on the class roll and will be assigned a grade of F by the instructor of the class. It is the student's responsibility to complete and submit this form.

NOTICE FOR STUDENTS WHO STOP ATTENDING CLASSES

1. STUDENTS must initiate withdrawal from a course(s) by completing the appropriate form through the STUDENT SERVICES OFFICE.
2. Instructors WILL NOT initiate withdrawal for students who stop attending any course(s). Withdrawal is a STUDENT option.
3. STUDENTS withdrawing from a course(s) after the drop/add period through the end of the 5th week of the quarter will receive a grade of "W."
4. STUDENTS withdrawing from a course(s) during the 6th, 7th or 8th week of the quarter will receive a grade of "WP" or a "WF."
5. STUDENTS who have not withdrawn or do not attend class after the end of the 8th week of the quarter WILL NOT be withdrawn by the instructor and WILL receive the appropriate letter grade (A, B, C, D, F, SC or U).

24 **Plagiarism Statement**

Plagiarism and Cheating No student shall receive, attempt to receive, knowingly give or attempt to give unauthorized assistance in the preparation of any work required to be submitted for credit as part of a course (including examinations, laboratory reports, essays, themes, term papers, etc.). When direct quotations are used, they should be indicated; when the language, ideas, theories, data, figures, graphs, programs, electronic based information or illustrations of someone other than the students are incorporated into a paper or used in projects, they should be duly acknowledged.

As part of CTC's commitment to excellence, students are requested to assess instruction occurring in the classroom. The assessment form is on-line at www.chattahoochee.net. The instructor will provide students with the access codes.

An individual with a disability who may require assistance or accommodation in order to participate in or receive the benefit of a service, program or activity, or who desires more information may contact the Counselor for Disability Services at (770) 528-4529.