I. COURSE INFORMATION

1. Meeting Time & Place: Lecture: MW 7:00-8:15 P.M., CS-108
2. Professor: Dr. Diane Denny
3. Office Phone: 825-3485
4. Office Address: CI 313
5. E-MAIL Address: diane.denny@tamucc.edu
6. Web Page address: Not applicable.
7. Office Hours: MTWR 3:30 - 5:00. Others by appointment

II. COURSE DESCRIPTION

This course is an advanced treatment of the foundations of calculus, stressing proofs of theorems. Topics include: sequences, limits, the derivative, and the Riemann integral.

III. PREREQUISITES for the COURSE

MATH 3470 and Math 3313.

IV. TEXT and OTHER SUPPLIES REQUIRED

“A Friendly Introduction to Analysis, Single and Multivariable”, second edition, by W.A.J. Kosmala

V. STUDENT LEARNING OUTCOMES

At the end of this course, the student should be able to:

1. Correctly state the definitions from class.
2. Correctly state the theorems from class.
3. Prove theorems of similar complexity to those from the homework.
4. Explain the key ideas of the more elaborate proofs from the lecture.
5. Prove that a given function is continuous or discontinuous.
6. Prove or disprove the existence of limits for functions and sequences.
7. Verify whether a function satisfies all of the assumptions of a theorem.

VI. INSTRUCTIONAL METHODS AND ACTIVITIES

Methods and activities for instruction: using a lecture format for the class.

VII. EVALUATION AND GRADE ASSIGNMENT

Evaluation and grade assignment will be based on homework, tests, and a cumulative final exam.

The methods of evaluation and the criteria for grade assignments are:

Three tests 45%
Homework : 35%
Final exam: 20%

Grading Scale:

A = 90%-100%
B = 80%-89%
C = 70%-79%
D = 60%-69%
F = 0%-59%

VIII. TENTATIVE COURSE SCHEDULE

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IX. CLASS POLICIES

Attendance will be taken each day. Homework will be assigned every week, and is due at the start of class one week after the day the homework was assigned. If you have to miss an exam, it is your responsibility to contact me no later than the day after the exam. A valid written excuse is required in order to make up a missed exam. Late homework will only be accepted with a valid written excuse, and must be turned in at the start of class on the next class day after the day it was due; otherwise, late homework will not receive any credit. If your reason to miss an exam is not a valid one, your exam score will be zero. Any excused absences from the final exam may be made up in the next long semester by eligible students; a grade of I will be temporarily assigned.

Academic Integrity/Plagiarism.

University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one's own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a grade of zero for the assignment or test for each student involved.

Dropping a Class
I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. November 2 is the last day to drop a class with an automatic grade of "W" this term.

*Notice to Students with Disabilities: Texas A&M University-Corpus Christi complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. If you suspect that you may have a disability (physical impairment, learning disability, psychiatric disability, etc.), please contact the Services for Students with Disabilities Office, located in CCH 116, at 825-5816. If you need disability accommodations in this class, please see me as soon as possible.

** Grade Appeal Process. As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at $http://www.tamucc.edu/provost/university$ $rules/index.html$. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.