MATH 1920 SYLLABUS

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COURSE TITLE: Calculus II

PREREQUISITE: Math 1910

TEXTBOOK: Calculus, 5th Edition by James Stewart

PURPOSE: This course is designed to help students develop more skills in Calculus of one variable. These skills are necessary for biology, business, mathematics and physics.

OBJECTIVES: Upon completion of this course, students will have used:

- Techniques of integration and application of integration
- convergence and divergence of real Sequences and series
- Geometric series, Power series and Taylor series and their applications to multidisciplinary applications
- elementary techniques of solving differential equations and their applications in biology, business and physics
REQUIREMENTS: Four tests will be given which will count 50% towards the Final grade. Homework assignments count 20%, Project assignment counts 10 percent and the final exam will count 20 percent.

90-100 A, 80-89 B, 70-79 C, 60-69 D Below 60 F.

The Grade I indicates that the student has not completed all course requirements because of illness or other uncontrollable circumstances especially which may occur toward the close of the term. Mere failure to make up work or turn in required work on time does not provide a basis for the grade I.

TOPICAL OUTLINE: This course consists of selected topics from Chapters 6, 7, 8, 9, 10 and 11 in the required text. Schedule of classes:
August: 28 House keeping, a quick Review of basic integrals and review of substitution method 29 7.1 30 7.2 31 7.3

September: 5 7.4 6 7.47 7.5 11 7.6 12 7.613 7.714 7.8 18 Test one 19 6.1 20 6.2 21 6.3 25 6.526 8.1 27 8.228 8.3

October: 2 two 3 10.1 4 10.2 5 10.39 10.310 10.4 11 11.1 12 11.223 11.3 24 11.4 25 11.526 11.530 Test three 31 8.228 11.6
November: 1 11.7 2 11.7 6 11.8 7 11.8 8 11.9 9 11.10 13 11.10 14 11.11 15 11.1 16 11.1220 Test 421 9.1 22 9.227 9.328 9.4 30 9.5

December: 4 9.6 5 9.76 Review 11 Monday Final comprehensive examination 10.00 a.m.-12.00 pm.

Please note the following dates and information: Last day to drop the course without a grade—see current academic calendar Last day to drop with a "W"—see current academic calendar.

ADA Statement: If you have a disability that may require assistance of accommodations, or if you have any questions related to any accommodation for testing, note taking, reading, etc., please speak with me as soon
as possible. You may also contact the Office of Disabled Student Services (898-2783) with any questions about such services.

**Financial Aid Statement:** To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 attempted hours and a cumulative TELS GPA of 3.0 thereafter. A grade of C, D, F, or I in this class may negatively impact TELS eligibility. Dropping a class after 14 days may also impact eligibility; if you withdraw from this class and it results in an enrollment status of less than full time, you may lose eligibility for your lottery scholarship.