

**Tennessee Technological University  
Mathematics Department**

**MATH 1921: Calculus II Honors Seminar**

**I. COURSE DESCRIPTION FROM CATALOG:**

Selected topics to add depth to the understanding of the material in MATH 1920. Honors students can receive honors credit for MATH 1920 by successfully completing both MATH 1920 and MATH 1921. Lec. 1. Cr. 0.

**II. PREREQUISITE(S):**

Co-requisite: Concurrent enrollment in MATH 1920. A grade of "A" in MATH 1910 is also recommended.

**III. COURSE OBJECTIVE(S):**

To address selected Calculus II topics in more depth than is typically provided in a section of Math 1920.

**IV. STUDENT LEARNING OUTCOMES:**

Upon successful completion of the course the student will be introduced to a more advanced perspective on certain topics typically covered in a MATH 1920 course.

**V. TOPICS TO BE COVERED:**

Topics to be determined by the instructor.

Instructors have often assigned problems or projects from the Problems Plus sections to be solved by individuals or by student teams. Some instructors require students to present work to the class at the blackboard.

One previous instructor of the course has made use of computer modeling to emphasize topics from Calculus II. For example, through the use of mini-project assignments, the students were required to learn enough Matlab so that they could program the computer to draw approximating rectangles for the definite integral of a given function.

**VI. POSSIBLE TEXTS AND REFERENCES:**

*Calculus Early Transcendentals*, 9th edition by James Stewart  
*Matlab, An Introduction with Applications*, 6<sup>th</sup> edition by Amos Gilat

**VII. STUDENT ACADEMIC MISCONDUCT POLICY:**

Maintaining high standards of academic integrity in every class at Tennessee Tech is critical to the reputation of Tennessee Tech, its students, alumni, and the employers of Tennessee Tech graduates. The Student Academic Misconduct Policy describes the definitions of academic misconduct and policies and procedures for addressing Academic Misconduct at Tennessee Tech. For details, view the Tennessee Tech's Policy 217 – Student Academic Misconduct at [Policy Central](#).

## **VIII. DISABILITY ACCOMMODATION:**

Students with a disability requiring accommodations should contact the Accessible Education Center (AEC). An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The AEC is located in the Roaden University Center, Room 112; phone 931-372-6119. For details, view the Tennessee Tech's Policy 340 – [Services for Students with Disabilities at Policy Central](#).