Drexel University

Department of Mathematics

Spring Term 2021

Math 122

Calculus II

Instructor: Richard White

Course Expectations

**Textbook:** “Calculus – Early Transcendentals”, 11th Edition, Anton, Bivens, & Davis, John Wiley & Sons, 2015,

ISBN: 978-1-118-88382-2.

**Objectives:** This course will continue the student’s introduction to the study of calculus. The student will gain mastery of integral calculus, which includes the Fundamental Theorem of Calculus, integration techniques, applications, elementary differential equations and differentiating and integrating polar functions.

**Course Procedures:** Each meeting will be divided into two parts. The first part will be devoted to a review of material from the previous meeting. The remainder of the session will be spent introducing new material.

Homework will be assigned at the end of each meeting. It will consist of exercises related to that meeting’s material. There will be three tests and a comprehensive final exam.

**Attendance:** Students may not miss more than three classes**.**

**Evaluation:** Unless circumstances dictate otherwise test averages within each percentage range will yield the following grades:

93 - 100 A 77 - 79 C+

90 - 92 A- 73 - 76 C

87 - 89 B+ 70 - 72 C- < 60 F

83 - 86 B 67 - 69 D+

80 - 82 B- 60 - 66 D

Three of the four tests will be averaged to comprise 2/3 of the final grade and the final exam will be 1/3 of the final grade.

**Assistance:** I am available before or after class by appointment. I expect to be in the MRC on MWF 10:00 to 11:00 My e-mail is [rdw35@drexel.edu](mailto:rdw35@drexel.edu).

**Academic Honesty:** Cheating or any academic misconduct will be dealt with harshly. Students are expected to know the policies of academic conduct outlined in the student handbook: <http://www.drexel.edu/studentlife/studenthandbook/Handbook.html> .

**Disabilities:** Students requiring accommodations must present an Accommodation Verification Letter from the Office of Disability Services (ODS). For more information Contact ODS at [www.drexel.edu/ods](http://www.drexel.edu/ods) .

**Course Drop Policy:** Students should be aware of the policy listed at [www.drexel.edu/provost/policies/course\_drop.asp](http://www.drexel.edu/provost/policies/course_drop.asp)

Syllabus

Weeks 1- 3 Chapter 5 Integration

Weeks 4, 5 Chapter 6 Applications of the Definite Integral

Weeks 6 - 8 Chapter 7 Principles of Integral Evaluation

Weeks 9, 10 Chapter 10 Parametric and Polar Curves

Note: The instructor reserves the right to alter the syllabus as needed.