

MATH 143.9 Calculus III – Spring 2023

MTRF 2:10-4:00pm (38-148)

Class web page: https://www.egcharalampidis.com/teaching/143_S23/math_143_S23/

Tentative Schedule

Date	Lectures	Events
4/3 M	10.1-10.2: Curves Defined by Parametric Equations and Calculus with Parametric Curves	
4/5 W	10.3-10.4: Polar Coordinates and Areas and Lengths Part I	
4/10 M	10.4-11.1: Polar Areas and Lengths Part II; Sequences Part I	
4/12 W	11.1-11.2: Sequences Part II and Series Part I	Quiz #1: 10.1-10.4
4/17 M	11.2-11.3: Series Part II and the Integral Test Part I	
4/19 W	11.3-11.4: Integral Test Part II and Comparison Tests	Quiz #2: 11.1-11.2; Study 10.1-11.2 Review Session*
4/24 M	11.5 - 11.6: Alternating Series and Absolute Convergence Part I	Midterm #1: 2:10-3:00pm
4/26 W	11.6-11.7: Absolute Convergence Part II; Ratio/Root Tests Part I	
5/1 M	11.7-11.8: Ratio/Root Tests Part II and Power Series Part I	
5/3 W	11.8-11.9: Power Series Part II and Representation of Functions	
5/8 M	11.10: Taylor and McLaurin Series	
5/10 W	12.1-12.2: Three-Dimensional Coordinate Systems and Vectors Part I	Quiz #3: 11.3-11.10
5/15 M	12.2-12.3: Vectors Part II and Dot Product Part I	Study 11.3-12.3
5/17 W	12.3-12.4: Dot Product Part II and Cross Product Part I	Quiz #4: 12.1-12.3; Review Session*
5/22 M	12.4-12.5: Cross Product Part II and Equations of Lines and Planes	Midterm #2: 2:10-3:00pm
5/24 W	13.1-13.2: Vector Functions, their Derivatives and Integrals Part I	
5/29 M	No Class	Memorial Day
5/31 W	13.2-13.3: Derivatives/Integrals Part II and Arclength/Curvature Part I	Quiz #5: 12.4-12.5; 13.1-13.2

Date	Lectures	Events
6/5 M	13.3-13.4: Curvature Part II and Motion in Space Part I	Quiz #6: 13.3-13.4; Review Session*
6/7 W	13.4: Motion in Space Part II	

*Please, see the Syllabus for the time and location.