Calculus III *– MATH 2574-1 · TR 10:00 – 11:50 · BH 2408*
NorthWest Arkansas Community College – Fall 2026

Course Schedule: Below is a week-by-week breakdown of course coverage. Schedule is subject to change with email notice given.

Week	Dates	Coverage
1	August 18 & 20	*Course Intro* 13.1 – Vectors in the Plane 13.2 – Vectors in Three Dimensions 13.3 – Dot Products
2	August 25 & 27	13.4 – Cross Products 13.5 – Lines and Planes in Space 13.6 – Cylinders and Quadric Surfaces
3	September 1 & 3	14.1 – Vector-Valued Functions 14.2 – Calculus of Vector-Valued Functions 14.3 – Motion in Space 14.4 – Length of Curves
4	September 8 & 10	14.5 – Curvature and Normal Vectors *Exam #1*
5	September 15 & 17	15.1 – Graphs and Level Curves 15.2 – Limits and Continuity 15.3 – Partial Derivatives
6	September 22 & 24	15.4 – The Chain Rule 15.5 – Directional Derivatives and the Gradient 15.6 – Tangent Planes and Linear Approximation
7	Sept 29 & Oct 1	15.7 – Maximum/Minimum Problems 15.8 – Lagrange Multipliers
8	October 6 & 8	*Exam #2* 16.1 – Double Integrals over Rectangular Regions 16.2 – Double Integrals over General Regions
9	October 13 & 15	16.3 – Double Integrals in Polar Coordinates 16.4 – Triple Integrals 16.5 – Triple Integrals in Cylindrical and Spherical Coordinates
10	October 20 & 22	16.6 – Integrals for Mass Calculations 16.7 – Change of Variables in Multiple Integrals *Exam #3*
11	October 27 & 29	17.1 – Vector Fields 17.2 – Line Integrals 17.3 – Conservative Vector Fields
12	November 3 & 5	17.4 – Green's Theorem 17.5 – Divergence and Curl
13	November 10 & 12	17.6 – Surface Integrals 17.7 – Stokes' Theorem
14	November 17 & 19	17.8 – Divergence Theorem *Exam #4*
	November 23 – 27	***Thanksgiving Break***
15	December 1 & 3	*Catch up* *Review for Final Exam*

Final Exam will be given on Tuesday, December 8, 10:15 – 12:15.