

Emmanuel College
Mathematics 242 – Multivariable Calculus
Schedule

The following is a tentative and approximate schedule for the course.

Week 1	vectors, dot product, cross product, projection
Week 2	lines and planes
Week 3	vector-valued functions
Week 4—5	parametric curves
Week 6	polar coordinates
Test 1	(covers Weeks 1—6)
Week 7	multivariable functions
Week 8	derivatives of multivariable functions
Week 9	extrema
Week 10	multiple integrals
Week 11	cylindrical and spherical coordinates
Week 12	Change of bounds and substitution
Test 2	(covers Weeks 7—12)
Week 13	vector fields, line integrals, potentials
Week 14	parametrized surfaces
Week 15	Stokes' Theorem, Gauss' Theorem
