MATH2420 - Differential Equations with Applications

MATH 2420 (MATH 2420) Differential Equations with Applications (4 semester credit hours)
Ordinary differential equations, including linear equations, systems of equations, equations
with variable coefficients, existence and uniqueness of solutions, series solutions, singular
points, transform methods, and boundary value problems; application of differential equations
to real-world problems. Three lecture hours and two discussion hours a week; problem section
required with MATH 2420, and will also be registered for exam section. Not all MATH/STAT
courses may be counted toward various degree plans. Please consult your degree plan to
determine the appropriate MATH/STAT course requirements. Prerequisites: A grade of at least
a C- in either MATH 2415 or in MATH 2419 or equivalent and a grade of at least a C- in MATH 24
18 or equivalent. (3-2) S