2024-25 ACADEMIC COURSES

MTH 295 : DIFFERENTIAL EQUATIONS

In this course, students will learn to solve differential equations, including first and higher order linear and non-linear equations. Topics will include Cauchy-Euler types of equations, Bernoulli types of equations, homogeneous and non-homogeneous equations, and exact equations. The course also covers Laplace Transforms, solving systems of linear differential equations using the eigenvalue method. The course also covers linearization, numerical methods, and phase plane analysis. It is strongly recommended that students take MTH 197 and/or MTH 293 prior to or concurrently with MTH 295. A graphing calculator is required for this course. See the time schedule for current brand and model. Level I Prerequisite: Academic Reading and Writing Levels of 6; MTH 192 minimum grade "C"

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Description	Hours
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	0
Other Hours	0
Total Hours	60

Accurate as of 07/26/2024 Information is subject to change without notice.