

**Tennessee Technological University
Mathematics Department**

MATH 4250-4260/5250-5260: Advanced Ordinary Differential Equations I-II

I. COURSE DESCRIPTION FROM CATALOG:

Systems of ordinary differential equations, matrix methods, approximate solutions, stability theory, basic theory of nonlinear equations and differential systems, trajectories, phase space stability, construction of Liapunov functions.

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Students with a disability requiring accommodations should contact the Office of Disability Services (ODS). 1
An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The ODS is located in the Roaden University Center, Room 112; phone 372-6119.