COURSE DETAIL

HONORS DIFFERENTIAL EQUATIONS
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 137
UCEAP Course Suffix
UCEAP Official Title HONORS DIFFERENTIAL EQUATIONS
UCEAP Transcript Title DIFFERENTL EQUATNS
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description
This is a course on differential equations discussing higher order linear equations, Laplace transforms, systems of First Order Linear ODEs, non-linear systems of ODEs, Fourier Series, use of separation of variables in standard PDEs, and Sturm-Liouville Theory. In the skills section of the course, students work on symbolic manipulation, computer algebra, graphics, and a final project. Python is used in computer labs.

Language(s) of Instruction
English

Host Institution Course Number
MATH10066

Host Institution Course Title
HONOURS DIFFERENTIAL EQUATIONS

Host Institution Course Details

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed

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