

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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