

COURSE DETAIL

DIFFERENTIAL EQUATIONS FOR ENGINEERS

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Berlin

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

50

UCEAP Course Suffix**UCEAP Official Title**

DIFFERENTIAL EQUATIONS FOR ENGINEERS

UCEAP Transcript Title

DIFFERENTIAL EQUATN

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

This course covers mathematics relating to differential equations. Topics include ordinary differential equations, systems of differential equations, Laplace transformations and applications, partial differential equations separable solutions, plane waves solutions, Bessel's Equation, Legendre's equation, dynamic systems and boundary eigenvalue problems. Techniques for solving differential equations are used in the context of application to fields of engineering.

Language(s) of Instruction

German

Host Institution Course Number

3236 L 022

Host Institution Course Title

DIFFERENTIALGLEICHUNGEN FÜR INGENIEURE

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

FAKULTÄT II MATHEMATIK UND NATURWISSENSCHAFTEN

Host Institution Degree

Host Institution Department

Mathematik

Course Last Reviewed

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