

COURSE DETAIL

INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS

Country

Norway

Host Institution

University of Oslo

Program(s)

University of Oslo

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

119

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS

UCEAP Transcript Title

PARTIAL DIFF EQUATN

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course gives an introduction to analytical techniques for partial differential equations, in particular to separation of variables. In addition the course treats qualitative properties of solutions, such as maximum principles and energy estimates. The course also gives a basic introduction to difference methods and their stability analysis.

Language(s) of Instruction

English

Host Institution Course Number

MAT3360

Host Institution Course Title

INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS

Host Institution Course Details

<https://www.uio.no/studier/emner/matnat/math/MAT3360/index-eng.html>

Host Institution Campus

Host Institution Faculty

Mathematics and Natural Sciences

Host Institution Degree

Bachelor

Host Institution Department

Mathematics

Course Last Reviewed

2025-2026

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