

## COURSE DETAIL

### ELEMENTARY DIFFERENTIAL EQUATIONS II

**Country**

Canada

**Host Institution**

University of British Columbia

**Program(s)**

University of British Columbia

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

114

**UCEAP Course Suffix****UCEAP Official Title**

ELEMENTARY DIFFERENTIAL EQUATIONS II

**UCEAP Transcript Title**

ELEM DIFF EQUAT II

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course examines power series methods (ordinary and regular singular points, Bessel's equation); boundary value problems and separation of variables (Fourier series and other orthogonal series), applications to the vibrating string, heat flow, potentials.

## Language(s) of Instruction

English

## Host Institution Course Number

MATHEMATICS 316

## Host Institution Course Title

ELEMENTARY DIFFERENTIAL EQUATIONS II

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

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