COURSE DETAIL

CALCULUS
Country Netherlands
Host Institution Maastricht University – University College Maastricht
Program(s) University College Maastricht
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 12
UCEAP Course Suffix
UCEAP Official Title CALCULUS
UCEAP Transcript Title CALCULUS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course provides an introduction to calculus. Emphasis is on an understanding of the basic concepts and techniques, and on developing the practical, computational skills to solve problems from a wide range of application areas. This course illustrates the methods learned by looking at real problems from different fields where these techniques can be applied and through this applied lens all students explore new facets of calculus and deepen their knowledge. The course discusses: functions, limits, and continuity; derivatives; rules of differentiation; maxima and minima; implicit differentiation and rates Integration; definite integrals; applications of integration; improper integrals; differential equations. Prerequisites for this course include substantial high school experience in Mathematics.

Language(s) of Instruction
English

Host Institution Course Number
SCI2018

Host Institution Course Title
CALCULUS

Host Institution Course Details

Host Institution Campus
University College Maastricht

Host Institution Faculty

Host Institution Degree

Host Institution Department
Sciences

Course Last Reviewed

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