COURSE DETAIL

INTRODUCTORY MATHEMATICS
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 13
UCEAP Course Suffix
UCEAP Official Title INTRODUCTORY MATHEMATICS
UCEAP Transcript Title INTRO MATHEMATICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course provides appropriate mathematical knowledge and skill to be prepared for further study of mathematics-related disciplines. The course provides a level of proficiency in algebra and calculus equivalent to the GCE Advanced Level. Major topics: Sets, functions and graphs, polynomials and rational functions, inequalities in one variable, logarithmic and exponential functions, trigonometric functions, sequences and series, techniques of differentiation, applications of differentiation, maxima and minima, increasing and decreasing functions, curve sketching, techniques of integration, applications of integration, areas, volumes of solids of revolution, solution of first order ordinary differential equations by separation of variables and by integrating factor, complex numbers, vectors.

Language(s) of Instruction
English

Host Institution Course Number
MA1301

Host Institution Course Title
INTRODUCTORY MATHEMATICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed

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