HKU Summer Institute 2020

Undergraduate Programmes

Course Details	
Course Code	MATH1011
Course Title	University Mathematics I
Credit Bearing Programme	6 credits
Course Description	Calculus is a branch of mathematics that finds wide applications in science, economics and finance, engineering and many other areas. This is a first course in one-variable calculus.
Course Outline	 Pre-calculus topics (set theory, combinations and permutations, mathematical induction, binomial theorem, exponential, logarithmic and trigonometric functions) Limits and Differentiation with Applications Indefinite and Definite Integrals with Applications
Learning Outcomes	On successful completion of this course, students should be able to:Course Learning Outcomes (CLO)CLO 1use the set notations; calculate probabilities; and prove by inductionCLO 2solve problems involving exponential, logarithmic and trigonometric functionsCLO 3evaluate limits and derivativesCLO 4compute simple definite and indefinite integralsCLO 5solve practical problems such as determining maxima and minima; finding area
Study Load	36 contact hours + 120 learning hours
Assessments	 Assignments and in-class activities (10%) Two tests (40%) Final examination (50%) No supplementary examination will be offered.
Language of Instruction	English

Class Schedule	
Course Period	June 29 - July 17, 2020
Class Day & Time	Monday, Wednesday & Friday 09:30 - 12:30 (Lecture) Tuesday & Thursday 10:30 - 12:30 (Tutorial) There will be no lesson on July 1, 2020 (Wednesday).
Venue	This course will be conducted via Zoom or other platforms (to be announced).

Application	
Target Students	Non HKU Postgraduate Students, Non HKU Undergraduates
Pre-requisite	Applicants should provide a list of current courses and past exam result sheets or transcripts.
Remarks	Accommodation: Not Applicable
Online Application	Please visit the webpage of "MATH1011 University Mathematics I" for Online Application.
Course Fee	HK\$14,500 (This course will be switched to online teaching. A special discount of 20% off will be applied)
Discount	10% off for students from HKU exchange partners
Early Bird Offer	 Apply on or before March 1, 2020 12% discount on course fee (HKU partners' students) 5% discount on course fee (non HKU partners' students)
Deadline for Application	June 15, 2020

Enquiries

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