MATHEMATICS EXTENDED PART (*M1, M2*)

APPROVAL OF UNIVERSITY

- Up to now, the extended part of mathematics (M1,M2) are approved by CUHK , HKUST and some faculties of HKU as valid elective subjects.

- http://www.als.hku.hk/admission/local/one-stop-shop/entrance-req/uni-entrance-req/

- http://www.oafa.cuhk.edu.hk/adm/jupas/hkdse/admission-requirements/general

- http://join.ust.hk/local/jupas/apply_jupas_entry_general.html

CLASSES STRUCTURE

There are currently four core groups; two groups of Core+$M1$ and two groups of Core+$M2$. There are 23 (no more than 25) students in each group.

TEACHING CONTENT OF M1

St. Paul's College
聖保羅書院
FOUNDED 1851

In summary, M1 is studying Calculus and Statistics.

The exact topics include:

(1) Binomial Theorem
(2) Exponential and Logarithmic Function
(3) Differentiation and its Application
(4) Integration and its Application
(5) Approximation method to Definite Integrals
(6) Conditional Probability
(7) Probability Distributions
(8) Binomial, Geometric, Poisson and Normal Distribution
(9) Sample Statistic
(10) Confidence Interval

TEACHING CONTENT OF M2

ST. PAUL'S COLLEGE
聖保羅書院
FOUNDED 1851

In summary, M2 is studying Algebra and Calculus.

The exact topics include:

(1) Mathematical Induction
(2) Binomial Theorem
(3) Trigonometric Functions
(4) Limit
(5) Differentiation and its application
(6) Integration and its application
(7) Matrix and Determinants
(8) Systems of Linear Equations
(9) Vectors

ENTRY REQUIREMENT

- To take M1 in F4, the requirement is ranking within 100 in F3 mathematics.

- To take M2 in F4, the requirement is ranking within 55 in F3 mathematics.

- F4 students who want to take M1 or M2 in F5, the requirements are:

    (1)   ranking in the top 33% of F4 mathematics ; and
    (2)   passing in the given qualifying test.
          (arranged in mid-August)