

LIU Yu

To sum up this year in two words: fulfilling and enjoyable. Having worked full-time before, I deeply understand how precious it is to return to being a student—and I cherish this opportunity greatly. That's why I gave my all to every course and assignment.

The MA(MP) program is excellent. Its balanced mix of mathematics courses and teaching-related subjects is incredibly helpful for me, as I aspire to become a math teacher. The university's library resources and sports facilities are outstanding too. My daily routine—shuttling between my apartment, the library, and the sports center—made this year both enriching and truly enjoyable.

總結今年的生活，可以用兩個詞來形容：充實和愉快。曾經全職工作的我，深深明白能夠重返校園成為學生是多麼寶貴的機會，因此我格外珍惜，並全力以赴地投入每一門課程和每一份作業。

數學及教學文學碩士課程非常優秀，數學課程與教學相關科目的安排十分平衡，對我這位有志成為數學教師的人來說幫助極大。大學的圖書館資源與體育設施也十分完善。我的日常生活就是在住所、圖書館和體育中心之間穿梭，讓這一年過得既充實又愉快。

HONG KONG FUTURE TALENTS SCHOLARSHIP SCHEME FOR ADVANCED STUDIES

香港未來人才深造獎學金計劃

The HKSAR Government has launched the Future Talents Scholarship Scheme for Advanced Studies (FTSS), starting from the 2025/26 academic year. This scholarship scheme aims to attract outstanding local students to pursue postgraduate studies in key areas that will drive the development of Hong Kong and the Greater Bay Area. This programme is one of the programmes listed under the FTSS in the priority area of "STEM" for the 2025/26 intake. Local students admitted to this programme in full-time mode may be invited to submit applications for the fellowships.

FTSS awardees can receive tuition subsidies for up to HK\$100,000 for designated taught postgraduate programmes, regardless of the actual study period and mode of study. Under the FTSS, awardees are required to pay a minimum tuition fee being the prevailing rate of the UGC-funded full-time degree programmes. The scholarships are provided for the purpose of offsetting the tuition fee.

For the latest details, please visit www.eduhk.hk/gradsch/index.php/scholarship/ftss.html and www.ugc.edu.hk/eng/ugc/activity/ftss.html.

政府由2025/26學年起，推出「香港未來人才深造獎學金計劃」（計劃）。計劃的主要目的是為吸引更多本地學生在有利香港發展的優先範疇深造，擴大不同領域的高端人才庫，同時進一步推動香港發展成為國際專上教育樞紐。此課程與2025/26年度為計劃中STEM範疇的課程，課程中全日制的本地學生會被邀請申請此計劃。

在計劃下，每個獎學金的上限為港幣100,000元（以整個研究院修課課程計算，不論修課年期和修讀模式），而獎學金學生仍須支付不少於與其他教資會資助全日制學位課程學費水平相同的學費。獎學金只可用作支付學費。

更多詳情，請瀏覽 www.eduhk.hk/gradsch/index.php/scholarship/ftss.html 及 www.ugc.edu.hk/eng/ugc/activity/ftss.html。

PROGRAMME INFORMATION & APPLICATION 課程資訊與申請



ADMISSION ENQUIRIES 入學查詢

📞 (852) 2948 6886
✉️ admission@eduhk.hk

GENERAL ENQUIRIES 一般查詢

📞 (852) 2948 7824
✉️ mamp@eduhk.hk

Please refer to the following website for more information:

更多資訊，請參閱以下網站：

www.eduhk.hk/mit/en/mamp

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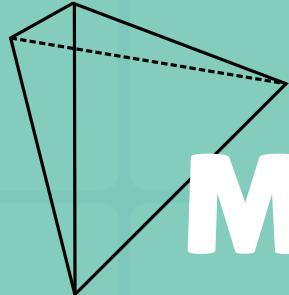
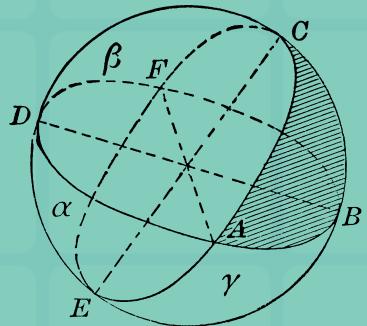
Any aspect of the courses and course offerings (including, without limitation, the contents of the course and the manner in which the course is taught) may be subject to change at any time at the sole discretion of the University if necessary. Without limiting the generality of the University's discretion to revise the courses and course offerings, it is envisaged that changes may be required due to factors including staffing, enrolment levels, logistical arrangements, curriculum changes, and other factors caused by change of circumstances. Tuition fees, once paid, are non-refundable.

EduHK has not collaborated with any agency in Chinese Mainland or Hong Kong on admission, and does not encourage students to entrust their applications to any third-party agents and we always contact applicants directly on updates regarding the applications. You must complete and submit your own application via the EduHK online admissions system and provide your own personal and contact details. Please refer to the official EduHK channels, such as programme websites and the admissions system, for the required information to complete your application.



香港教育大學

The Education University
of Hong Kong



MASTER OF ARTS IN

MATHEMATICS AND PEDAGOGY

數學及教學文學碩士

One-year Full-time 一年全日制

PROGRAMME CODE: A1M085

課程編號: A1M085

EdUHK Excels in 2025 QS World University Rankings;
Ranked 4th in Asia & 12th in the World in Education

香港教育大學於2025 QS 世界大學學科
排名 (教育領域) 全球十二、亞洲第四



Department of
Mathematics and
Information Technology

$$A = \pi r^2$$

PROGRAMME AIMS 課程目標

This programme aims to:

- broaden students' knowledge in Mathematics;
- help students realise how to teach Mathematics in schools from an advanced mathematical standpoint;
- expose students to different classroom environments and innovative pedagogical practices in Mathematics;
- cultivate synergy between subject knowledge and pedagogy in Mathematics; and
- foster students' critical thinking to enable them to become reflective practitioners.

本課程旨在加深及強化學員的數學知識，幫助他們從高等數學角度認識數學的教與學。同時讓學員接觸不同的課堂環境和創新的數學教學方法，培養他們整合數學學科知識和教學法的能力，提升他們的批判性思維，使其成為懂得自我反思的教育工作者。

ENTRANCE REQUIREMENTS 入學要求

- A recognised Bachelor's degree, preferably in subject areas other than Mathematics.
申請人須持有由認可大學頒授的本科學士學位 (非主修數學為佳)
- Obtained in the HKALE Grade E or above in Mathematics or in HKDSE Level 4 or above in Mathematics (Compulsory Part), or an equivalent qualification in Mathematics
具備香港高級程度會考數學科考獲 E 級以上成績或香港中學文憑試中數學 (必修部分) 考獲 4 級或以上成績或同等學歷
- Applicants whose entrance qualification is obtained from an institution in a non-English speaking system should normally fulfil one of the following minimum English proficiency requirements: 申請人持有的入學資格來自非英語授課體系的院校頒發，一般須符合以下其中一項英語語文能力之最低要求：
 - a. Overall score of IELTS 6.0 (academic version)[#]; or 雅思國際英語語言測試 (IELTS) (學術模式) 總分6分[#]; 或
 - b. TOEFL (internet-based test)[#]: Score of 80 (for tests taken before 21 January 2026); Score of 4.0 (for tests taken from 21 January 2026 onwards); or 網上托福考試(TOEFL-iBT)[#]: 總分80分(適用於2026年1月21日前應考者); 總分4分(適用於2026年1月21日起應考者); 或
 - c. Band 6 in the College English Test (CET)[#] with a total score of 430; or; 全國大學英語六級考試(CET-6) 總分430[#]; 或
 - d. Grade C or above in GCSE / GCE OL English; or 綜合中等教育證書考試 (GCSE) / 普通教育文憑普通程度考試 (GCE O-Level) 英語C級; 或
 - e. Other equivalent qualifications. 其他同等資歷將視個案而定。

[#]The test should be **taken in test centres** and the result should be **valid within two years**. TOEFL Home Editions, TOEFL MyBest Score, IELTS Indicator, IELTS Online, IELTS One Skill Retake, Duolingo and National Postgraduate Entrance Examination (全國碩士研究生招生考試) are **NOT** acceptable. ^{*}只接受在官方指定考試中心應考的成績，成績有效期為兩年。申請2026/27入學者提交的成績必須於2024年1月1日或之後應考。本校並不接受TOEFL Home Editions、TOEFL MyBest Score、線上應考的IELTS Indicator和IELTS Online、IELTS One Skill Retake、多鄰國 (Duolingo) 及全國碩士研究生招生考試的成績。

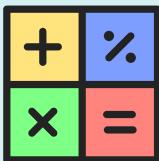
PROGRAMME CURRICULUM 課程大綱

The programme comprises 24 credit points (cps). Each course is worth 3 cps. Students normally take one year (Full-time) to complete the whole programme.

本課程共有24 個學分，每科目3學分。學員可在一年內修畢整個課程。



MATHEMATICAL STUDIES 數學科目



CORE COURSES 必修科目

- Algebra and Number Theory 代數與數論
- Foundations of Geometry 基礎幾何學
- Probability and Statistics 概率與統計

ELECTIVE COURSES 選修科目

- Calculus and Mathematical Modelling 微積分與數學建模 #
- Combinatorics and Graph Theory 組合學與圖論 #
- Mathematical Principles for Machine Learning and Quantum Computing 機器學習與量子計算的數學原理 #

PEDAGOGY IN MATHEMATICS 數學教學法科目



CORE COURSES 必修科目

- Instructional Design in Mathematics 數學教育設計
- Technology for Mathematics Teaching: An Inquiry Approach 運用科技於數學教學：以探究取向為本

ELECTIVE COURSES 選修科目

- Artificial Intelligence in Education 教育中的人工智能 @
- Mathematical Thinking and Assessment 數學思維與評估 @
- History and Pedagogy of Mathematics 數學史的教與學 @
- Data Mining in STEM Education STEM教育中的數據挖掘 @
- Researching Pedagogies in Mathematics Education 數學教育中的教學法研究 @

Remarks:

Choose one out of three # 請在其中三科選修科目選修一科

@ Choose two out of five @ 請在其中五科選修科目選修兩科

