

**Secondary Schools - The Hong Kong University of Science and Technology (HKUST)
Dual Program 2018
Pre-stage Level (Mathematics)**

**中學／大學雙修課程 2018
預備階段（數學）**

Course Objectives 課程目標

It is designed for students who would like to explore and understand the fundamental ideas and concepts of Algebra. The course contents include Numbers, Polynomials, Functions, Complex Numbers, Sequences and Series. The course is also structured as a bridging course leading to Dual Program (DP) Level 1 (Math) course.

本課程是為有志探究及了解代數基礎概念的學生而設。課程內容包括數字、多項式、函數、複數、數列及級數。本課程同時是為有志繼續修讀雙修課程階段一（數學）課程的同學而設計。

Pre-requisite 修讀條件

Students at S1 - S3 with some knowledge of elementary Algebra

掌握部份代數知識的中一至中三學生

Course Instructors 課程導師

Dr Ho Hon Ming (Department of Mathematics) 何漢明博士（數學系）

Dr Ku Yin Bon (Department of Mathematics) 辜彥邦博士（數學系）

Medium of Instruction 教學語言

Cantonese / English *, with lecture notes in English

廣東話／英語授課 *，並輔以英文教材

Assessment 評核方式

Homework / Final Assessment (No make-up assessment is arranged)

家課／期終評估（不安排後補評估）

Venue 地點

HKUST Campus 香港科技大學

** The medium of instruction adopted for this course will depend on the enrolment each year.*

課程最終採取的教學語言將依據每年報讀學生情況而定。

Remarks 備註

Outstanding students will be promoted to DP Level 1. Course schedule and content are subject to change if necessary.

表現優異的同學可晉升雙修課程階段一。課程時間表及內容為暫定，會應需要而變更。



DP Pre-stage Level (Mathematics) — Course Schedule

雙修課程 預備階段 (數學) — 課程時間表

Session 節次	Date 日期	Time 時間	Venue 地點	Topic 課題			
1	24/11/2018 (Sat)	To be confirmed 待定	To be confirmed 待定	Commencement Ceremony 開學典禮			
		2:00 – 5:00 pm		Numbers 數字			
2	1/12/2018 (Sat)	2:00 – 5:00 pm		Polynomials 多項式			
3	8/12/2018 (Sat)			▲ Tutorial 1 (Optional) ▲ 導修課 1 (選擇參與)			
4	15/12/2018 (Sat)	12:30 – 2:00 pm		2:00 – 5:00 pm	Polynomials 多項式		
		2:00 – 5:00 pm					
5	5/1/2019 (Sat)	2:00 – 5:00 pm		2:00 – 3:00 pm 3:00 – 5:30 pm	* Student Activity Day (Mandatory) 學生活動日 (所有學生必須出席)		
6	12/1/2019 (Sat)	2:00 – 3:00 pm			2:00 – 5:00 pm	Functions 函數	
7	19/1/2019 (Sat)	2:00 – 5:00 pm		▲ Tutorial 2 (Optional) ▲ 導修課 2 (選擇參與)			
8	26/1/2019 (Sat)						Complex Numbers 複數
9	2/2/2019 (Sat)						
10	23/2/2019 (Sat)				12:30 – 2:00 pm 2:00 – 5:00 pm		
11	2/3/2019 (Sat)	2:00 – 5:00 pm					
12	9/3/2019 (Sat)			2:00 – 5:00 pm	▲ Tutorial 3 (Optional) ▲ 導修課 3 (選擇參與)		
13	16/3/2019 (Sat)	2:00 – 5:00 pm				Sequences and Series 數列及級數	
14	23/3/2019 (Sat)			12:30 – 2:00 pm 2:00 – 5:00 pm	Final Assessment 期終評核		
15	30/3/2019 (Sat)	2:00 – 5:00 pm	Make-up Session in case of Bad Weather 天氣惡劣的後補課節				
16	6/4/2019 (Sat)			To be confirmed 待定			

▲Tutorial: Conducted by Dual Program alumni. For signed-up students only. 導修課：由雙修課程舊生指導。只限已報名同學參與。

*Student Activity Day: Students will have a chance to participate in enrichment activities outside classroom. Apart from it, CDGT will organize a wide range of activities and programs such as campus tour and mentorship scheme for students. Details will be announced later.

學生活動日：學生將有機會走出課室參與活動及參觀。除此以外，CDGT 將舉辦更多活動，如：校園探索之旅及師友計劃，以助學生作全面發展。詳情容後公布。