

**HKUST Pre-University Program 2026****Name: Introduction to Discrete Mathematics for Computer Science****Duration: July 20-24, 2026****Instructor: Prof. Kenneth Leung**

**HKUST Pre-University Program**  
Undergraduate Recruitment and Admissions Office



		<b>20-Jul Monday</b>	<b>21-Jul Tuesday</b>	<b>22-Jul Wednesday</b>	<b>23-Jul Thursday</b>	<b>24-Jul Friday</b>
<b>09:30-11:00</b>	<b>Topic</b>	Orientation	OFF	Group Discussion	Executive Talk	Group Discussion
<b>11:15-12:45</b>	<b>Topic</b>		Propositional Logic (11:15-13:15)	Probability	Conditional Probability (11:15-13:15)	Introduction to Cryptography
<b>12:45-14:00</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>14:15-15:45</b>	<b>Topic</b>	Social Activity - USTouch	Basic Counting	City Excursion (Optional)	Number Theory	Leadership Forum and Gala Dinner (Optional)
<b>16:00-17:30</b>	<b>Topic</b>		Binomial Coefficient		GCD and Euclidean Algorithm	
<b>Notes:</b> This is the preliminary program itinerary, and the final itinerary will be shared two weeks prior to the start of the program. The content above is subject to change without notice. Students should regularly check the website and their email for any updates.						