



Basic Trigonometry (E1MAT005C)

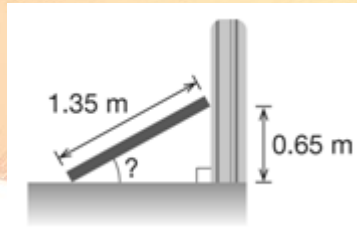
Introduction	Do you know what the circumference of the Earth is? In fact, we can use trigonometry to calculate the circumference of the Earth. This course will investigate the proof of trigonometric identities and introduce the importance of triangles to architecture as well as real-life application examples of trigonometry.		
Programme Type / Level	Geometry and Topology Course (Level I) (Token-required)		
Instructor(s)	Mr Po Ching Fung (Mathematics Teacher of HKICC Lee Shau Kee School of Creativity)		
Pre-requisite	No special prerequisites are needed.		
Target Participants	<ul style="list-style-type: none">➤ P4 to P6 HKAGE student members➤ Class size: 30 This programme is same as “Geometry and Topology Course (Level 1): Trigonometry & Geometry (MATP1321)” in 18/19 school year.		
Medium of Instruction	Cantonese with Chinese handouts		
Certificate	E-Certificate will be awarded to participants who have: <ol style="list-style-type: none">1. attended AT LEAST 3 sessions AND2. completed all the assessments with satisfactory performance.		
Intended Learning Outcomes	Upon completion of the programme, the participants should be able to: <ul style="list-style-type: none">• apply the properties of triangles and polygons and use trigonometric concepts to solve mathematical problems in trigonometry involving 2D and 3D problems;• prove Pythagoras’s Theorem in different ways and apply the theorem in solving mathematical problems;• cooperate effectively with classmates to construct a strong and beautiful building models with of geometric and trigonometric concepts.		
Screening	Please answer the screening question in the online application form. *The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students’ performance in answering the question. Only students who can demonstrate motivation and knowledge of geometry and topology in the screening question can be enrolled in the programme.		
Application Deadline	3 May 2021 12:00 n.n.	Application Result Release Date	14 May 2021
If student members withdraw from the programme after the Application Deadline, the token will be deducted.			

Schedule

Session	Date	Time	Venue (HKAGE)
1	19 Jun 2021	2:00 p.m.– 5:00 p.m.	Room 203
2	26 Jun		
3	3 Jul		
4	10 Jul		

Sample Notes

一長 1.35 m 的梯子斜靠在牆邊。若梯子的頂部與地面的距離為 0.65 m，求梯子與地面所成的角，準確至三位有效數字。



Enquiries

For enquiries, please contact Academic Programme Development Division at 3940 0101 after language selection, press "1".