







Conics

(MATS2340)

Introduction	<p>Conics are common objects in coordinate geometry. The study of conics is interesting and widely applied in science and other branches of mathematics. The course will go over coordinate geometry before discussing the definitions and some basic and further properties of conics.</p> <p>The program instructor is a Lecturer in Department of Mathematics of the Chinese University of Hong Kong.</p>
Programme Type / Level	Geometry and Topology Course (Level 2) (Token-required)
Instructor(s)	Dr Lau Chi Hin
Pre-requisites	<p>Students should be able to:</p> <ol style="list-style-type: none">1. Distance and slope in coordinate geometry2. Equations of straight lines3. Equations of circles, tangents to circles
Target Participants	 <ul style="list-style-type: none">➤ S1 to S3 HKAGE student members➤ Class size: 30 <p>All applicants MUST attend the screening test held on 21 Dec 2019.</p>
Medium of Instruction	 Cantonese with English Handouts
Certificate	 E-Certificate will be awarded to participants who have: <ul style="list-style-type: none">❖ Attended AT LEAST 3 sessions AND❖ Attained satisfactory performance in all assessments
Intended Learning Outcomes	 <p>Upon completion of the programme, the participants should be able to:</p> <ol style="list-style-type: none">1. formulate the equations of conics by their definitions;2. distinguish different types of conics by their differences;3. describe the basic properties of conics;4. evaluate the tangents to conics;5. apply the method of coordinate geometry to solve conics and locus problems.
Application Deadline	11 Nov 2019 12:00 n.n.
Application Result Release Date	22 Nov 2019 3 Jan 2020
If student members withdraw from the programme after the Application Deadline, the token will be deducted.	

Schedule

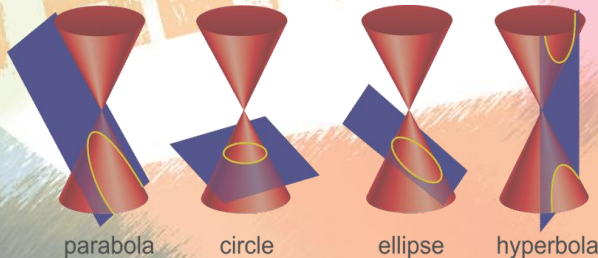


Session	Date	Time	Venue
Screening Test [Cancelled]	16 Nov 2019	9:30 a.m. — 11:00 a.m.	Room 105
Screening Test [Make-up]	21 Dec 2019	9:30 a.m. — 11:00 a.m.	Room G01 HKAGE
4 [Cancelled]	8 Feb 2020	9:30 a.m. — 12:30 p.m.	Room 124 HKPC
2 [Cancelled]	15 Feb		
3 [Cancelled]	22 Feb		
4 [Cancelled]	29 Feb		

Remarks:

- For any assessment to be held in the programme, no make-up will be arranged, including Screening Test.
- HKPC: Hong Kong Productivity Council, 78 Tat Chee Avenue, Kowloon, Hong Kong ([MAP](#))

Sample Examples for the Programme



parabola

circle

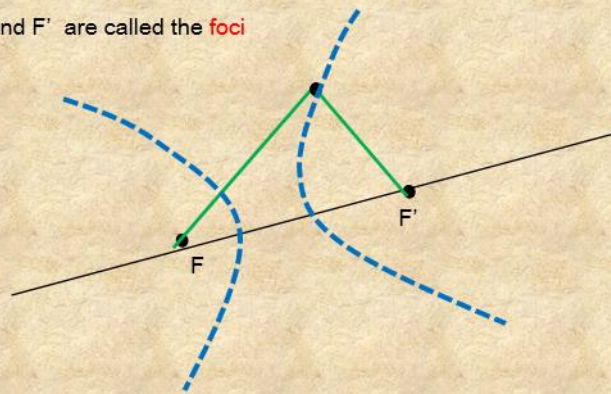
ellipse

hyperbola

Hyperbola

The locus of a point P which moves such that the **difference** of its distance to two fixed points F and F' is a constant.

F and F' are called the **foci**



Enquiries



For enquiries, please contact us at 3940 0101 after language selection, press "1".