



# Coordinate Geometry II (MATO3322)

## Introduction

Geometry and coordinate system, which solve many mathematical problems from different perspectives with different approaches, are major mathematical topics. This online learning programme lets students learn about the properties of Cartesian coordinate system, in order to sharpen their geometrical problem solving skills, improve their spatial thinking ability and enhance their self-directed learning skills.

Online components:

- Module 1 - Equations of straight lines (I)
- Module 2 - Equations of straight lines (II)
- Module 3 - Locus
- Module 4 - Equations of circles (I)
- Module 5 - Equations of circles (II)
- Module 6 - Conic sections

## Programme Type / Level

Online Learning Programme in Mathematics (Level 2) ([Non Token-required](#))

## Writer

Mr. Andy CHAN

## Target Participants

➤ S1 to S6 HKAGE student members



\* Students who fail the online programme can enrol in it again in the next quarter.  
(Quarter ONE: 2 April – 30 June; Quarter TWO: 2 July – 30 Sep;  
Quarter THREE: 2 Oct – 30 Dec; Quarter FOUR: 2 Jan – 30 Mar).

## Medium of Instruction



English

## Intended Learning Outcomes



Upon completion of the programme, participants should be able to:

1. describe and analyze geometric objects using coordinate system
2. analyze lines and circles by using algebraic tools
3. synthesize and create related concepts using coordinate geometry

## Duration

18 hours

## System Requirement

Browser: IE 8 OR above; Firefox 6 OR above; Safari  
Screen resolution: 1024x768

## Application Procedure



1. Click "[HERE](#)" to go to online application platform
2. Complete and submit the online application form
3. You and your parent will receive the Online Application Confirmation email from our system
4. Click "[HERE](#)" to access to the moodle platform
5. Use the USERNAME and PASSWORD indicated in the email to login
6. You may start now!

## Remarks

- You have to pass the online test in order to complete the course by attempting **ONCE** only.
- A tick next to an activity name may be used to indicate when the activity is complete. If a box with a solid border is shown, please click it to tick the box when you think you have completed the activity. (Clicking it again removes the tick if you change your mind.)

## Enquiries



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