

朝陽科技大學
110學年度第1學期教學大綱

當期課號	2708	中文科名	程式設計(二)
授課教師	陳晉祺	開課單位	資訊管理系
學分數	3	修課時數	3
修習別	專業必修	開課班級	日間部四年制2年級 D班
類別	英語授課		

本課程培養學生下列知識：

This course is an introduction to C#. # is a symbol for 'sharp', and it is a type-safe object-oriented language that enables developers to build a variety of secure and robust applications. C# can also be a powerful tool to make online applications and websites. It runs on the .NET Framework and examples of its application include Windows client applications, XML Web services, distributed components, client-server applications, database applications, etc... More information can be found here [https://en.wikipedia.org/wiki/C_Sharp_\(programming_language\)](https://en.wikipedia.org/wiki/C_Sharp_(programming_language)). With programming languages, many overlapping concepts exist between other programming languages, mastering C# sets a strong foundation that may help you comprehend other programming languages with ease.

1. Make students have basic skills in programming.
2. Make students understand the C # (C-Sharp) environment.
3. Make students understand syntax, comments and variables.
4. Make students understand constructors, access modifiers, properties and inheritance.

The course contains many topics, such as the classes and objects of Java, inheritance and abstract classes, polymorphism, string and character, Java drawing and Java 2D, the GUI components, the exception handling, files and streams and multi-threads.

每週授課主題

- 第01週：Financial Markets Overview and Algorithms
- 第02週：3C Stacking Method
- 第03週：Fundamental Analysis
- 第04週：Technical Analysis - 1st C Catalyst
- 第05週：Technical Analysis - 2nd Chart
- 第06週：Technical Analysis - 3rd Confirmation
- 第07週：Implementation on Real Market
- 第08週：Algorithm Design
- 第09週：Pattern Design and Programming Implementation
- 第10週：Automatic Bot Configuration using Fundamentals and Technical Analysis
- 第11週：Midterm
- 第12週：Revise Algorithm and Processes
- 第13週：Review Algorithms and Processes
- 第14週：Observe other Popular Bots and Methods
- 第15週：Dismantle other Methods
- 第16週：Reimplement other Methods
- 第17週：Review
- 第18週：Final Evaluation

成績及評量方式

- Participation：10%
- Midterm：20%
- Quiz：30%
- Midterm：30%
- Final Evaluation：10%

證照、國家考試及競賽關係

本課程無證照、國家考試及競賽資料。

主要教材

- 1. Online Material(其他)

參考資料

本課程無參考資料!

建議先修課程

本課程無建議先修課程

教師資料

教師網頁：<https://christopherchan.ca/>

E-Mail：christopherckchan@cyut.edu.tw

Office Hour：

星期一,第5~6節,地點:M-208.1;

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分機:7857

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