

MATLAB 進階程式設計 教育訓練課程

課程名稱	MATLAB 進階程式設計
上課時間	4/25(五) 13:30 ~ 16:30 計中電腦教室五 (L219): MATLAB進階(上) 5/2 (五) 13:30 ~ 16:30 計中電腦教室五 (L219): MATLAB進階(下)
課程簡介	<p>此課程將學習:</p> <ol style="list-style-type: none"> 1. 如何產生及呼叫 MATLAB Function. 2. 如何建構 MATLAB Function Code · 介紹各種不同類型的 Function Type. 3. 如何撰寫含有防呆機制的程式. 4. 如何針對程式碼進行除錯及如何提升程式碼的執行效率.
課程大綱	<p><u>MATLAB Advance (上)</u></p> <p>Writing Functions</p> <ul style="list-style-type: none"> ● Creating functions ● Calling functions ● Workspaces ● Path and precedence <p>Structuring Code</p> <ul style="list-style-type: none"> ● Private functions ● Subfunctions ● Nested functions ● Function handles ● Anonymous functions ● Precedence rules ● Comparison of function types <p><u>MATLAB Advance (下)</u></p> <p>Creating Robust Applications</p> <ul style="list-style-type: none"> ● Creating flexible function interfaces ● Checking for warning and error conditions ● Working with the try-catch construct and Mexception objects <p>Troubleshooting Code and Improving Performance</p> <ul style="list-style-type: none"> ● Generating reports on multiple files ● Finding potential problems in code ● Debugging code ● Assessing code performance
適合對象	初級 · 具備基本電腦操作經驗及線性代數基礎概念