



Summer Workshop 2013 - Visual Basic for Applications (VBA)

Visual Basic for Applications (VBA) is a programming language that could be used to access functionalities of software under Microsoft Office, in particular, it is most useful to interact with Microsoft Excel.

In order to equip students with knowledge and skills in applying Visual Basic for Applications (VBA) to solve real world problems, the Division of Applied Science and Technology has organized a 3-day training workshop (14 hours) for students on 24-26 July 2013 as follows:



24 July 2013 (Wed): 10:00 - 13:00, 14:00 - 17:00
 25 July 2013 (Thu): 10:00 - 13:00
 26 July 2013 (Fri): 10:00 - 13:00, 14:00 - 16:00

The workshop was well-received, with 30 students joined the workshop. The table below shows the number of students from each of our IT-related programmes.

Programme	Number
Associate of Engineering	8
Associate of Science in Information Systems Development	20
Associate of Science in Network and Systems Administration	2



香港城市大學專上學院
 Community College
 of City University

This event is sponsored by CCCU Local Co-curricular Activity Fund

To make the training workshop more fruitful, a number of Intended Learning Outcomes (ILOs) and keyword syllabus were set to probably address the objectives of the event. The following shows the ILOs and the keyword syllabus of the workshop.

Intended Learning Outcomes:

Upon the upon of this workshop, students should be able to:

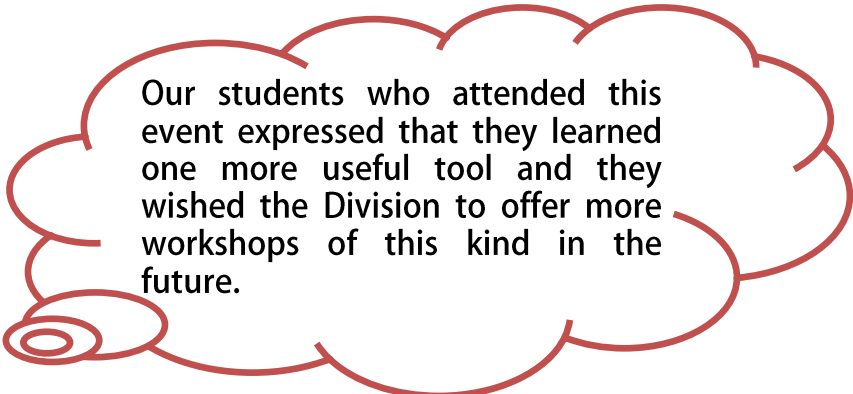
1. Understand what we can do with Microsoft Excel using Visual Basic for Applications (VBA) macro.
2. Solve problems via the development of VBA programs.
3. Develop problem solving and software development skills for further study / employment.

Keyword Syllabus:

1. Overview of Visual Basic for Applications (VBA)
2. VBA Fundamentals
 - Terminology, Object Model, Worksheets, etc.
3. VBA Programming Environment
4. Brief Review of Programming Fundamentals for VBA
 - Variables and Constants
 - Branching and Looping
 - Arrays
 - Built-in Functions and Operators
 - User-defined Functions
 - Procedures
 - OOP Concept: Objects, Methods and Properties
5. Error Handling
6. Using Excel Objects
7. Creating and Programming Custom Forms
8. VBA and Charts
9. Application Development

The workshop was coordinated by Dr. Desmond TSOI, Programme Leader of Associate of Science in Information Systems Development and conducted by Mr. Jackie Kwong, an industry expert on VBA, in the teaching studio of Academic 2, CityU.

On the last day of training (26 July), a certificate presentation was held for students to recognize their completion of training. Dr. Desmond TSOI expressed his appreciation to Mr. Jackie Kwong for his efforts, and to the students for their participation. After that, students were presented with the certificates by Mr. Kwong.



Our students who attended this event expressed that they learned one more useful tool and they wished the Division to offer more workshops of this kind in the future.

Group Photos

