

**朝陽科技大學 097學年度第1學期教學大綱**  
**Java Programming and Application Java程式設計與應用**

<b>當期課號</b>	2694	<b>Course Number</b>	2694
<b>授課教師</b>	吳志盛	<b>Instructor</b>	WU,CHIH SHENG
<b>中文課名</b>	Java程式設計與應用	<b>Course Name</b>	Java Programming and Application
<b>開課單位</b>	資訊工程系(四日)二A	<b>Department</b>	
<b>修習別</b>	選修	<b>Required/Elective</b>	Elective
<b>學分數</b>	3	<b>Credits</b>	3
<b>課程目標</b>	<p>這門課主要是透過Java語言來介紹物件導向程式設計。學生可以學習基本的Java程式的建構，物件導向的觀念，圖形，事件驅動的程式。學生還可以實作JAVA的應用程式與Applet等應用。學完這門課程學生應該要會以下的事項：- 知道Java與其他語言的差異與優點，還有JAVA在網際網路的應用。- 能夠熟悉JAVA語言的建構，包含有IF, Loop, Methods, 與 Arrays等 - 能夠寫出類別與物件的程式並使用類別的繼承。</p>	<b>Objectives</b>	<p>The central theme of the course is to introduce object- oriented programming using Java. Students will learn the basics of Java language constructs, object- oriented programming, graphics, event- driven programming. Gain practical experience of creating and modifying Java applications and applets, and embedding Java applets in HTML files. Upon completing the course, students will able to - Know the advantages of Java over other programming languages and the significance of Java to the Internet. - Become familiar with Java language constructs including decision statements, loop statements, methods, and arrays. - Program with classes and objects and use class inheritance.</p>
<b>教材</b>	最新java2程式語言第二版，旗標 (FS720)	<b>Teaching Materials</b>	最新java2程式語言第二版，旗標 (FS720)
<b>成績評量方式</b>	<ol style="list-style-type: none"> <li>1. 作業: 30%</li> <li>2. 線上測驗1: 20%</li> <li>3. 線上測驗2: 25%</li> <li>4. 期末測驗: 15%</li> <li>5. 課堂參與: 10%</li> </ol>	<b>Grading</b>	<ol style="list-style-type: none"> <li>1. Homework: 30%</li> <li>2. Online Programming Test 1: 20%</li> <li>3. Online Programming Test 2: 25%</li> <li>4. Online Final Test: 15%</li> <li>5. Class Participation: 10%</li> </ol>
<b>教師網頁</b>	<a href="http://140.120.14.185/school/java.html">http://140.120.14.185/school/java.html</a>		
<b>教學內容</b>	<p>教學內容包含下列的主題：</p> <ul style="list-style-type: none"> <li>- 程式語言與Java基礎</li> <li>- 變數與運算子</li> <li>- 流程控制結構</li> <li>- 程序與函數的類別方法</li> <li>- 類別與物件</li> <li>- 字串、數值類別與陣列</li> <li>- 基本輸入與檔案處理</li> <li>- Java的執行緒</li> </ul>	<b>Syllabus</b>	<p>The topics included in this course:</p> <ul style="list-style-type: none"> <li>- programming lang. and Java basic</li> <li>- variables and operators</li> <li>- flow and control structures</li> <li>- procedure and class methods</li> <li>- classes and objects</li> <li>- string, value classes and array</li> <li>- basic input/output and file handling</li> <li>- Java threading</li> </ul>

尊重智慧財產權，請勿非法影印。