

朝陽科技大學 093學年度第2學期教學大綱  
Bio-Information 生物資訊

當期課號	7266	Course Number	7266
授課教師	王經篤	Instructor	WANG,JING DOO
中文課名	生物資訊	Course Name	Bio-Information
開課單位	資訊工程系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程的主要目的是讓學員了解何謂生物資訊，並論述現今流行的研究主題。	Objectives	This course is to give an overview of bioinformatics and discuss current research topics.
教材	<p>教科書(Text Book)</p> <p>Bioinformatics, Biocomputing and Perl : An introduction to Bioinformatics Computing Skills and Practice MOORHOUSE、BARRY ISBN:047085331X 全華代理(書號: 2115201)</p> <p>An Introduction to Bioinformatics Algorithms (Computational Molecular Biology) Neil C. Jones, Pavel A. Pevzner 開發代理</p> <p>參考書(Reference Book)</p> <p>Introduction to bioinformatics. Teresa K. Attwood and David J. Parry-Smith. Person Prentice Hall. (藝軒:中譯本)</p> <p>Molecular Biology 2/e : made simple and fun David P.Clark and Lonnie D. Russell (藝軒:中譯本)</p> <p>Algorithm on Strings, Trees, and Sequences: Computer Science and Computational Biology. Dan Gusfield,. Gambridge.</p> <p>Beginning Perl For Bioinformatics (James D. Tisdall, O'Reilly, 2001, ISBD: 0-596-00080-4)</p> <p>Mastering Perl for Bioinformatics (James D. Tisdall, O'Reilly, 2003,ISBN:0-596-00307-2)</p> <p>Genomic Perl, From Bioinformatics Basics to Working Code (Rex A. Dwyer, Cambridge, 2003, ISBN:0-521-80177-X)</p>	Teaching Materials	
成績評量方式	<p>平時成績(10%)</p> <p>期中專題(30%)</p> <p>論文研討報告(20%)</p> <p>期末專題(40%)</p>	Grading	<input type="checkbox"/> Discussion(10%) <input type="checkbox"/> Mid-Project (30%) <input type="checkbox"/> Paper Study (20%) <input type="checkbox"/> Final Project (40%)

教師網頁		
教學內容	<p>課程資訊：  <a href="http://thmu.edu.tw/~jdwang/Bioinformatics.htm">http://thmu.edu.tw/~jdwang/Bioinformatics.htm</a></p> <ol style="list-style-type: none"> <li>1. 介紹 <ul style="list-style-type: none"> <li><input type="checkbox"/> 生物資訊</li> </ul> </li> <li>2. 比較基因體 <ul style="list-style-type: none"> <li><input type="checkbox"/> Genomic Signature</li> </ul> </li> <li>3. 生物資訊程式設計 <ul style="list-style-type: none"> <li><input type="checkbox"/> Genomic signature analysis</li> <li><input type="checkbox"/> Web Information Extraction.</li> </ul> </li> </ol>	<p><b>Syllabus</b></p>
		<p>The Course Information:  <a href="http://thmu.edu.tw/~jdwang/Bioinformatics.htm">http://thmu.edu.tw/~jdwang/Bioinformatics.htm</a></p> <ol style="list-style-type: none"> <li>1. Introduction <ul style="list-style-type: none"> <li><input type="checkbox"/> Bioinformatics</li> </ul> </li> <li>2. Comparative Genomics. <ul style="list-style-type: none"> <li><input type="checkbox"/> Genomic Signature</li> </ul> </li> <li>3. Bioinformatics Programming using Perl <ul style="list-style-type: none"> <li><input type="checkbox"/> Genomic signature analysis</li> <li><input type="checkbox"/> Web Information Extraction.</li> </ul> </li> </ol>

尊重智慧財產權，請勿非法影印。