



課 綱 Course Outline

生化暨分子醫學科學系學士班

中文課程名稱 Course Name in Chinese		臨床生化學概論			
英文課程名稱 Course Name in English		Clinical Biochemistry			
科目代碼 Course Code		BMM_32900	班 別 Degree	學士班 Bachelor' s	
修別 Type		學程 Program	學分數 Credit(s)	3.0	時 數 Hour(s) 3.0
先修課程 Prerequisite					
課程目標 Course Objectives					
使學生對於生物化學原理及技術在臨床醫學領域上的應用，有其初步的瞭					
系教育目標 Dept.' s Education Objectives					
1	培養生化及生物醫學相關領域之人才。 Cultivating talents engaged in biochemistry and molecular medicine.				
2	培育學生具有自我學習、獨立思考與創新之能力。 Fostering students to acquire the capabilities of self-learning, independent thinking, and innovation.				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	具備生命科學相關學科之基礎知識。 Having the basic knowledge of life science.				
B	具備邏輯分析與解決問題的能力。 Having the capabilities of logical analysis and problem solving.				
C	具備資料整合、數據分析與書面及口頭報告之能力。 Having the capabilities of data integration and analysis, and the skills of written and poster presentation.				
D	具備終生學習的能力。 Having the capability of lifelong learning.				
圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated					
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1. Specimen collection 2. Carbohydrates 3. proteins 4. NPN and renal function tests 5. Lipids and Lipoproteins 6. Electrolytes 7. Blood gases and pH and electrolytes 8. Enzymes 9. Tumor markers 10. Hormones 11. RBCs and anemia (I) 12. RBCs and anemia (II) 13. Platelets and coagulation (I) 14. Platelets and coagulation (II)
<p style="text-align: center;">資源需求評估（師資專長之聘任、儀器設備的配合．．．等）</p> <p style="text-align: center;">Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)</p>
<p>現有合宜專任師資；購置訂閱臨床生化相關圖書及期刊，提供單槍投影機等教學用具。</p>
<p style="text-align: center;">課程要求和教學方式之建議</p> <p style="text-align: center;">Course Requirements and Suggested Teaching Methods</p>
<p>本課程除主題講授外，適時進行臨床生化學及其相關領域代表性新發表期刊學術論文之選讀與討論。</p>
<p style="text-align: center;">其他</p> <p style="text-align: center;">Miscellaneous</p>