

國立交通大學課程綱要

開課單位	生科系	授課教師	邱顯泰	授課學期	95 學年度 第一學期
課程名稱	生物合成實驗			人數上限	5
英文名稱	Biosynthesis Lab.				
學分數	1	上課時數	3	先修課程	有機化學、生物化學
<p>課程目標：</p> <p>瞭解生物合成實驗的技術，進而獲得以生物合成酵素與代謝原理在有機合成的應用</p> <p>課程綱要：</p> <ol style="list-style-type: none"> 1. Introduction to Biosynthesis 2. Enzymes and Metabolism 3. Basic techniques in Enzyme Chemistry 4. Biochemical Characterization of Enzymes 5. Basic Techniques for Biosynthesis 6. Biotransformation 7. Chemical characterization of Biosynthetic Compounds 					
<p>參考書目：Biochemistry, Organic Chemistry</p>					
<p>課程進行方式、課程要求及評分標準：</p> <p>This course will give a general introduction of Biosynthesis and Metabolism. Basic techniques in the field of enzyme chemistry and biosynthesis will also be selectively practiced. Experimental progress is generally essential for the course. Evaluation can be given based on the experimental progress and tests on the knowledge on biosynthesis.</p>					