

國立中正大學課程大綱
 National Chung Cheng University
 Course Syllabus

學年/學期(Academic Year / Semester)		114_2 學期			
課程名稱(Course name)		Advanced Cellular Molecular Biology (II)			
課碼(Course code)	2458009/2708014	學分數 Credit(s)	3		
授課教師(Instructor)	Dr. Chin Li E-mail: biocl@ccu.edu.tw				
	Dr. Shu-Huei Hsiao E-mail: bioshh@ccu.edu.tw				
<input checked="" type="checkbox"/> Professor <input checked="" type="checkbox"/> Associate Professor <input type="checkbox"/> Assistant Professor					
授課方式 (teaching methods)	<input type="checkbox"/> Lab <input type="checkbox"/> Seminar <input checked="" type="checkbox"/> Student Presentation <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> other				
先修科目(Prerequisite)	N/A				
課程介紹與教學目標 (Course Description and Objectives)	<p>Course Description—(3 credits): Introduction of basic cellular functions of eukaryotic cells, including the structures and their functions, intracellular trafficking of molecules, signaling, growth and death of the cells, and specific emphasis on cancer.</p> <p>Objectives: To understand the structure-function cellular mechanisms of eukaryotic cells</p>				
教科書及參考書 (Textbooks and References)	Molecular Biology of the Cell, 6th edition, Editors: Alberts et al. (ISBN: 9780815344643)				
學習評量與成績配分 (Assessment and Grade scale)	Exam-1.....50% (Week-08) Exam-2.....50% (Week-16)				
課程要求 (Course Requirements)	Attendance is required				
課程進度(Course Schedule)					
Week	Contents				
Week 01	Techniques for Cell Biology Research 1				
Week 02	Membrane Structure				
Week 03	Membrane Transport				
Week 04	The Cell Cycle				
Week 05	Cell Death				
Week 06	Protein Sorting				
Week 07	Intracellular Membrane Trafficking				

Week 08	Mid-term Exam
Week 09	Intracellular Membrane Trafficking
Week 010	Cell Signaling 1
Week 011	Cell Signaling 2
Week 012	The Cytoskeleton 1
Week 013	The Cytoskeleton 2
Week 014	Cell Junctions and the Extracellular Matrix
Week 015	Cancer
Week 016	Final Exam