

朝陽科技大學 097學年度第1學期教學大綱
Special Topics in Pharmacology 藥理學特論

當期課號	7188	Course Number	7188
授課教師	蔡麗任	Instructor	TSAI,WEI REN
中文課名	藥理學特論	Course Name	Special Topics in Pharmacology
開課單位	應用化學系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程主要目標為使學生學習與熟悉藥理學之理論，藉由瞭解藥理接受體的反應、藥物對各系統的影響及藥物信息傳導的路徑。並進一步綜合介紹藥物之應用、作用機轉及毒性，以滿足學生對未來科學研究上許多以藥理觀念為基礎之需要與應用。	Objectives	The objectives of the subject to help students could understand the special topics of pharmacology. A syllabus including that general principle of pharmacology, receptors response, effected the various system, and signal transduction pathways. Particular emphasis is placed on the applications, actions mechanism and toxicity of drugs.
教材	1.國外書籍Lippincott's Illustrated Reviews Pharmacology. 2.國內外期刊內容 3.發講義並以單槍投影方式上課	Teaching Materials	Textbook:Lippincott's Illustrated Reviews Pharmacology Author: Richard A. Harvey and Pamela C. Champe
成績評量方式	1.平時上課及出席情形(25%) 2.期中測試成績(15%) 3.期末測試成績(20%) 4.報告(40%)	Grading	1.attended at class (25%) 2.midterm examination (15%) 3.final examination (20%) 4.semester report (40%)
教師網頁	-		
教學內容	1.General principles of pharmacology 2.Absorption, distribution, and elimination of drugs 3.Effected the signal transduction 4.Receptors response of drugs 5.Signal transduction pathways 6.Define receptor, dissociation constant, affinity, intrinsic activity 7.Define agonist, antagonist, partial agonist and concepts of their interactions 8.Pharmacology -Biotransformation 9.Induction of enzyme and drug interactions 10.Pharmacology- Pharmacodynamics	Syllabus	1.General principles of pharmacology 2.Absorption, distribution, and elimination of drugs 3.Effected the signal transduction 4.Receptors response of drugs 5.Signal transduction pathways 6.Define receptor, dissociation constant, affinity, intrinsic activity 7.Define agonist, antagonist, partial agonist and concepts of their interactions 8.Pharmacology -Biotransformation 9.Induction of enzyme and drug interactions 10.Pharmacology- Pharmacodynamics

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