流水號	21067
課號	MA8018-*
授課教師	陳建隆
課程名稱(中文)	微分方程Ⅱ
課程名稱(英文)	Differential Equations Ⅱ
學分	3
授課內容	(1) Fundamental Theorems of Differential equations (2) Linear systems of ordinary differential equations: linear System with constant and periodic coefficients, Floquet theory, Phase plane analysis for 2-D autonomous system (3) Elementary qualitative properties of nonlinear differential equations (4) Dulac Q., Omega limit sets and Invariant sets, Poincare-Bendixson theorem (5) Monotone flows;Dynamical System (6) Basic theorem of partial differential equations
教科書/參考書	reference books:(1) Sze-Bi Hsu; Ordinal Differential Equations (2) Jack Hale: Ordinal Differential Equations (3) F. John: Partial Differential Equations, 2nd Edition
授課方式	講授、研討、實習/實驗
評量方式	(1) Exercises (40%) (2) Reports(30%) (3)Final Exam (30%)
辦公時間	Tuesday 1:00-2:00 PM; Friday 1:00-200 PM