

97-1 大葉大學 完整版課綱 - 上課進度

上課進度		分配時數(%)				
週次	教學內容	講授	示範	習作	實驗	其他
1	Class Syllabus Introduction	100				
2	1.1 Basic Concepts and Ideas 1.2 Geometrical Meaning of $y' = f(x,y)$	90	10			
3	1.3 Separable Differential Eq.	90	10			
4	1.4 Exact ODEs 1.5 Linear ODEs	90	10			
5	2.1 Homogeneous Linear ODEs. of Second Order 2.2 Homogeneous Linear ODEs with Constant Coefficients	70		30		
6	2.5 Euler-Cauchy Eq. 2.6 Existence and Uniqueness of Solutions	90	10			
7	2.7 Nonhomogeneous ODEs 2.10 Solution by Variation of Parameters	70		30		
8	3.1 Homogeneous Linear ODEs 3.2 Homogeneous Linear Eq. with Constant Coefficients 3.3 Nonhomogeneous Linear ODEs					
9	期中考		20	80		
10	6.1 Laplace Transform	90	10			
11	6.2 Transforms of Derivatives and Integrals. ODEs.	90	10			
12	6.3 Unit Step Function 6.4 Short Impulses	70		30		
13	6.5 Convolution, Integral Equations 6.6 Differentiation and Integration of Transforms	90	10			
14	4.0 Matrices & Vectors 8.1 Eigenvalues, eigenvectors	70		30		
15	4.1 Systems of ODEs as Models 4.2 Basic theory	90	10			
16	4.3 Constant-coeff. System 4.6 Nonhomogeneous linear systems	90	10			
17	4.6 Nonhomogeneous linear systems 6.7 System of D.E.	90	10			
18	期末考			100		

