

Republic of Iraq
Ministry of Higher
Education and Scientific
Research
Supervision and Scientific
Evaluation Apparatus



University: Shatt Al-Arab
College: Engineering
Department: Civil Engineering
Stage: 3rd stage

Course Weekly Outline

Week No.	Theoretical	Experimental
1	The types and classifications of differential equations	
2	Ordinary differential equations and types of solutions	
3	DE with separable variables and homogeneous equations	
4	Exact differential equations	
5	Linear and Bernoulli DEs	
6	Various applications	
7	Various applications	
8	Homogeneous DE with constant coefficients	
9	Non-homogeneous DE with constant coefficients	
10	HDEs with variable coefficients	
11	Various applications	
12	Various applications	
13	Fourier series	
14	The types and solutions of partial differential equations	
15	Applications of PDE	