

Differential Equations: Spring 2024

Time and Location:

Monday PM 1:10~4:00 @工 EC3014 (乙班)

Instructors:

莊子肇, Associate Prof.

Office: EC8006, Dept. of Electrical Engineering

Phone: 07-525-2000 ext. 4196

Email: chuang@mail.ee.nsysu.edu.tw

Office Hour: Tue PM 2-4/Wed AM 10-12 (by appointment)

Google Classroom Code: **nsysvvv** (Announcements will be released here.)

Textbooks:

“Differential Equations with Boundary-Value Problems”, Dennis G. Zill,
Cengage Learning, 2018 (9th Edition). 高立圖書公司代理 06-311-1301

Schedule:

Week #	Topic	Memo
Week 1	Introduction to differential equations	
Week 2-4	First-order differential equations	
	First Exam	3/15 PM 6-9
Week 5-8	Higher-order differential equations	
	Second Exam	4/12 PM 6-9
Week 9-10	Series solutions of linear equations	
Week 11-12	Systems of linear first-order differential equations	
	Third Exam	5/10 PM 6-9
Week 13	Fourier Series	
Week 14-16	Partial differential equations	
	Final Exam	6/3 PM 6-9

Grading: 25% for each exam