

學年度	2011學年度第1學期						
當期課號	100A1121						
課程名稱	電路學(二)						
英文名稱	Electric Circuits(2)						
授課教師	劉春山						
課程目標	This Wed-based manual consists of the following elements: The objectives of the chapter, copied from the opening page of the chapter; An overview of the chapter that identifies to other chapters in the text; A list of the example in the chapter; A list of each section in the chapter followed by the Chapter Problems that relate to material in this section; A list of problem types followed by the Chapter Problems of each type; the problem types are as follows: Practice - gives student in the chapter; Analytical Tool - shows student that analytical techniques are tools for solving problems; Open Method - gives student practice in choosing the analytical method to be used to solve a problem: Additional Information - shows students how the results from one solution can be used to find other information about the operation of a circuit; Solution Check - encourages students to challenge the results of their analysis either by using a different solution method to re-solve the problem or to test the solution to see if it makes sense in terms of known circuit behavior; Design - introduces students to problems with a focus in design; Derivation - gives students practice in deriving and manipulating equations with symbols (R, L, C, etc.) instead of numerical values; Practical - challenges student with problems taken from real engineering settings; PSpice - gives student an opportunity to use popular circuit simulator to verify their calculations and explore a particular problem in more depth; Student Solutions - gives detailed solutions to these problems in the Student manual, as well as answers to these problems in Appendix H of the text. Two different Chapter Tests that can be used to test the mastery of the Objectives in the chapter. These tests are short and straightforward and can normally be completed by a well prepared student in 30 - 45 minutes. You may wish to allow students to use a formula sheet when taking some (or all) of these tests, or you may provide a formula sheet to accompany certain tests (e.g., the Laplace transform table for tests in Chapters 12 and 13). These Chapter Tests are referenced in						
課程綱要	開學至期中考	Chapter9 - Sinusoidal Steady-State Analysis Chapter10-Sinusoidal Steady-State Power Calculations Chapter11-Balanced Three-Phase Circuits					
	期中考至期末考	Chapter12 - Introduction to the Laplace Transform Chapter13 - The Laplace Transform in Circuit Analysis Chapter18 - Two-Port Circuits					
參考書籍	Electric Circuits Nilsson/Riedel(東華書局代理)						
選別	必修						
學分數	3						
上課時數	3						
面授地點	C2103						
面授時間	星期二第4節星期四第1-2節						
教材名稱	是否為教科書：	Y	教材種類：	一般教	教材語系：	英文	
			作者：	Nilsson/ Riedel	書名：	Electric Circuits	出版社： 東華書局代理
			出版日期：		版本：		ISBN：
	是否為自編教材：	N	教材種類：	一般教	教材語系：	中文	
			是否已出版	N			
			作者：		書名：		出版社：
			出版日期：		版本：		ISBN：
是否為智財權課程：	N						
學生輔導地點	電機館209						
學生輔導時間	星期三(3,4)星期四(3,4)星期五(2,3)						
授課方式	講授						
	全外語授課	N					
評量標準	期中40 期末40 平時20						
修課條件							
備註							