

ESS 240002 *Thermodynamics*

September, 2015

任課教授：李 敏 教授 (工科館 518 室，分機：34316，31001)

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上課時間： T1 T2 F1 F2

上課地點：工科館 501 室

辦公室時間：**Tuesday 10:00 ~ 12:00** (工科館 518 室)

助教： To Be Announced

助教值勤時間：

教科書：Michael J. Moran; Howard N. Sphapiro, Daisie D. Boettner, Margaret B. Bailey,
"Principles of Engineering Thermodynamics," 8th Edition, Wiley.

參考書：Yunus A. Cengel, Michael A. Boles, "Thermodynamics; an Engineering Approach,"
McGraw Hill, 2002.

Richard E. Sonntag, Claus Borgnakke, and Gordon J. Van Wylen, "Fundamentals of
Engineering Thermodynamics," John Wiley & Sons Inc.

網址：

成績計算方式：

	選擇 A	選擇 B
First Examination	20%	25%
Second Examination	25%	30%
Final Examination	30%	35%
Homework	15%	---
Quiz	10%	10%

附註：作業如有抄襲，抄襲與被抄襲的人，該次作業均以零分計算；第二次被發現抄襲者，該次作業為 -50 分；第三次被發現抄襲者，該次作業為 -100 分,...

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	課程內容	授課時數	作業
	Preview	1	
Chapter 1	Getting Start: Introductory Concepts and Definitions	3	#1
Chapter 2	Energy and the First Law of Thermodynamics	6	#2
Chapter 3	Evaluating Properties	6	#3

16 hours

First Examination : October 28th, Wednesday, 7:00 pm, Room 501 & 503

Chapter 4	Control Volume Analysis Using Energy	10	#4,#5
Chapter 5	The Second Law of Thermodynamics	7	#6

17 hours

Second Examination : December 2nd, Wednesday, 7:00 pm, Room 501 & 503

Chapter 6	Using Entropy	8	#7, #8
Chapter 11	Thermodynamic Relations	10	#9

18 hours

Final Examination : January 6th, Wednesday, 7:00 pm Room 501 & 503