

光譜分析(Spectroscopic Analysis, CHEM326000)

Lecturer: Prof. 林俊成 (Chun-Chung Lin)

Prof. 陳建添 (Chien-Tien Chen)

Textbook: Spectroscopy, 4th Edition by Lampman, Pavia, Kriz, and Vyvyan
(Brooks/Cole, 滄海代理, 04-27088787)

Spectrometric Identification of Organic Compounds, 7th Edition by
Silverstein, Webster, and Kiemle (John Wiely & Sons, 歐亞代
理, 02-89121188)

<u>Week</u>	<u>Chapter Content</u>
1 st	Introduction and Mass Spectrometry
2 nd	Mass Spectrometry
3 rd	Mass Spectrometry
4 th	Mass Spectrometry and Infrared Spectroscopy
5 th	The First Exam
5 th	Infrared Spectroscopy
6 th	Infrared Spectroscopy
7 th	Infrared Spectroscopy
8 th	Ultraviolet Spectroscopy
9 th	Ultraviolet Spectroscopy
10 th	NMR Spectroscopy: Basic Concept
11 th	NMR Spectroscopy: Basic Concept
12 th	The Second Exam
13 th	NMR Spectroscopy: Carbon-13
14 th	NMR Spectroscopy: Spin-Spin Coupling
15 th	NMR Spectroscopy: Spin-Spin Coupling
16 th	1D NMR
17 th	2D NMR
18 th	The Final Exam

The First Exam: 35%

The Second Exam: 30%

Final Exam: 35%

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