

國立台灣大學機械工程學系

近代物理

課程編號: 522 U4230

學分: 3 (選修)

教室: 應 107

時間: 週四 234

URL: <http://www-yjy.me.ntu.edu.tw>

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教科書 (required): Concepts of Modern Physics by A. Beiser, 6th Ed, 2003.

參考書: Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles
by R. Eisberg and R. Resnick, 2nd Ed, 1985.

課程進度:

Week	Date		備註
1	9/20	Introduction, Relativity	
2	9/27	老師出國 (停課)	
3	10/4	Relativity, Particle properties of Waves	
4	10/11	Particle properties of Waves	
5	10/18	Wave properties of Particles	
6	10/25	Wave properties of Particles, Atomic Structures	
7	11/1	Atomic Structures, Quantum Mechanics	
8	11/8	Quiz I	
9	11/15	台大校慶 (停課)	
10	11/22	Quantum Mechanics	
11	11/29	Quantum Theory of Hydrogen Atom	
12	12/6	Quantum Theory of Hydrogen Atom	
13	12/13	Many-electron Atoms	
14	12/20	Quiz II	
15	12/27	Many-electron Atoms, Molecules	
16	1/3	Molecules	
17	1/10	Statistical Mechanics, Solid State	
18	1/17	Final Exam	

成績計算:

作業: 15%

Quizzes: 50%

期末考: 35%

Last Update: 9/18/2007