







THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT  
5720 S. UNIVERSITY AVE. CHICAGO, ILL. 60637  
TEL: (773) 835-3100 FAX: (773) 835-3101

PHYS 440

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PHYS 440: QUANTUM MECHANICS  
LECTURE 1: THE SCHRÖDINGER EQUATION  
1.1. THE SCHRÖDINGER EQUATION  
1.2. THE WAVEFUNCTION  
1.3. THE PROBABILITY DENSITY  
1.4. THE EXPECTED VALUE OF AN OBSERVABLE  
1.5. THE UNCERTAINTY PRINCIPLE

PHYS 440: QUANTUM MECHANICS  
LECTURE 2: ANGULAR MOMENTUM  
2.1. ANGULAR MOMENTUM  
2.2. THE COMMUTATION RELATIONS  
2.3. THE EIGENVALUES OF  $L^2$  AND  $L_z$   
2.4. THE ADDITION OF ANGULAR MOMENTUM

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PHYS 440: QUANTUM MECHANICS  
LECTURE 3: PERTURBATION THEORY  
3.1. PERTURBATION THEORY  
3.2. TIME-INDEPENDENT PERTURBATION THEORY  
3.3. TIME-DEPENDENT PERTURBATION THEORY

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# 執業證書

姓名: 李國強

全 職

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1. 姓名: 李國強

2. 註冊編號: 123456789

3. 全 職

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