

PHY-511: Quantum Mechanics I

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Outline

1. Historical Perspective
2. Light and States
3. Formalism of QM
4. Time-Evolution
5. QM in 1-dimension
6. Coherent States
7. WKB
8. Path Integrals
9. Gauge-Invariance
10. EPR and Bell Inequalities

Reference Material

J. Sakurai, Modern Quantum Mechanics, ed. Adison wesley

Grade

The grade will be : Hw (33%) + Mid (33%) + Fin (33%)

Grader

TBA