

PHY-511: Quantum Mechanics I

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Outline

1. Perspective in QM
2. Formalism of QM
3. Time Evolution
4. QM in 1-dimension
5. Coherent States
6. WKB approximation
7. Path Integral, instantons
8. Gauge-Invariance
9. EPR, Bell, qComputing

Reference Material

J. Sakurai, Modern Quantum Mechanics, revised ed. Addison Wesley

Grade

The grade will be : Hw (1/5) + Mid (2/5) + Fin (2/5)

Grader

TBA