

المحتوى العلمي المقرر:

- *Wave and Particles*

- *Wave and particle duality of radiation*
- *Debrojlii concept of matter wave*
- *Heisenbeg uncentroniny principles*
- *Equation to uncentaminly principle*
- *Equation of motion of matter wave*
- *Physical interpheteion of wave function of solution of se-eq.*
- *Eigen value and Eigen water*

- *Atomic and Molecular spectra*

- *Fine structure of Haline*
- *Zeenan effect*
- *Rotational spectra of diatomic of molecular*
- *Vibration – rotation spectrum of a molecular*
- *Roman effect.*

الكتب الأساسية:

University Physics; Young and Freedman, pearson, Addison Wesley, 11th Edition, 2003

المرجع المساند:

-Fundamentals of Physics; Halliday, Resnik and Walker, Wiley 8th Edition, 2007.