Syllabus

1. **Brief review of some key experiments and concepts leading to quantum mechanics**
   - 1.1 **Spectral distribution of blackbody radiation and Planck's quantization of energy exchange between matter and radiation**
   - 1.2 **Photoelectric effect and Einstein's photon theory of light**
   - 1.3 **de Broglie's hypothesis of matter waves and Davisson-Germer's observation of electron diffraction by crystal lattice**

2. **The wave function**
   - 2.1 **Plausibility argument leading to Schrödinger's wave equation**
   - 2.2 **The statistical interpretation**
   - 2.3 **Normalization**
   - 2.4 **Momentum**