

寬能隙半導體材料及元件(Wide Bandgap Semiconductor Materials and Devices)

考試範圍(Scope of Exam)：

1. Semiconductor Physics & Devices, author: Donald A. Neamen, Ch1-Ch6
2. Optical properties of Solids, author: Mark Fox, Ch1- Ch7
3. Wide Bandgap Semiconductors for Power Electronics: Materials, Devices, Applications, author: Peter Wellmann, Noboru Ohtani, Roland Rupp, Ch1- Ch3

固態物理(Solid State Physics)

考試範圍(Scope of Exam)：

1. Crystal Structure
2. Lattice Vibration and Temperature Effects
3. Band Structure and Electron Behavior in Crystals

參考範圍(Reference)：

Introduction to Solid State Physics, C. Kittel, Chap 1-7

註：以上範圍僅供參考(Just for reference)