

المحتوى العلمي المقرر:

- *Structure and Properties*
- *The structural theory*
- *The covalent bond, Hybrid orbitals*
- *Intramolecular and Intermolecular forces*
- *Bond dissociation energy (Homolysis and heterolysis)*
- *Polarity of bonds and molecules*
- *Structure and physical properties*
- *Acids and bases*
- *Isomerism*
- *Alkane, Structure and Physical properties, Synthesis and reactions.*
- *Alkene, Structure and Physical properties, Synthesis and reactions.*
- *Alkyne, Structure and Physical properties, Synthesis and reactions.*
- *Dienes, Structure, Stabilization and Reactions.*
- *Alicyclic Compounds, Structure and Physical properties, Synthesis and reactions.*

الكتب الأساسية:

Organic Chemistry, Morrison and Boyd, 6th ed., 1992, Allyn and Bacon.

المرجع المساند:

Organic Chemistry, Paula Y. Bruice, 6th ed., 2011.