

Textbook	المقررات	المادة	القسم
March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure 7th Edition	Localized chemical bonding. Delocalized chemical bonding, includes: Aromaticity, Hyper conjugation, and tautomerism Bonding weaker than covalent includes: Hydrogen bonding & addition compounds. Stereochemistry includes: Stereo isomers, optical isomers, optical activity, specific rotation, Configuration, diastereo isomers, racemic modifications and their formation, Resolution of racemic modification, asymmetric synthesis & geometric isomers. Carbocations Carbanions. Free radicals. Carbenes Nitrenes.	Advance Organic Chemistry II	الكيمياء الصيدلانية
1- Introduction to Spectrometry, 5th edition, 2- Spectrometric Identification of Organic Compounds, Robert M. Silverstein: Eighth Edition,	UV. IR. NMR (¹ H NMR & ¹³ C NMR). MS.	Instrumentation	الكيمياء الصيدلانية
SIXTH EDITION Editor	MARTIN'S PHYSICAL PHARMACY AND PHARMACEUTICAL SCIENCES Physical Chemical and Biopharmaceutical Principles in the Pharmaceutical Sciences		صيدلانيات
PATRICK J. SINKO, PhD, RPh			
chapter 9-Solubility and Distribution Phenomena			
chapter 13 Drug Release and Dissolution			
7th edition Chapter 14 and chapter 15	Shargel Applied Biopharmaceutics & Pharmacokinetics		صيدلانيات