

المحتوى العلمي للمقرر:

- *Polymers*
- *Basic concept, classification and structural properties*
- *Synthesis techniques*
- *Additives*
- *Introduction to Formulation chemistry*
- *Soaps and detergents*
- *Soaps: raw material, chemistry, classification,*
- *Manufacturing, environmental aspects*
- *Detergents: principle group of detergent, inorganic builder*
- *Manufacturing of detergents, environmental aspect*
- *Pharmaceutical industry*
- *Introduction, classical chemistry of pharm. product*
- *Industrial process in pharm. Industry Manufacture*
- *Quality control*
- *Paints*
- *Introduction, constituent of paints, paints formulation, paint manufacture, application and cause paint failure,*
- *Testing and quality control*
- *Environmental impact and risks*

الكتب الأساسية:

Textbook of Polymer Science, Billmeyer, 1990, John Wiley & Sons.

المرجع المساند:

Polymorphism in Molecular Crystals (International Union of Crystallography) by Joel Bernstein, 2008.