

المحتوى العلمي للمقرر:

- *Introduction to industrial chemistry*
- *Raw materials for the chemical industry*
- *Fertilizers*
- *Introduction , mixed fertilizer*
- *Ammonia, urea, nitric acid, super phosphate*
- *Cement industry*
- *Raw material, cement industry, cement solidification, types, standard characteristics*
- *Glass*
- *physical and chemical properties, raw material, manufacture, sheet glass, special glass, fiber glass*
- *Paper*
- *Raw materials, pulping, sulphit pulping, bleaching, manufacture of Paper*
- *Petroleum and petrochemicals*
- *Desalting and dewatering*
- *Evaluation, distillation, cracking, treatment process*
- *Petroleum Process*

الكتب الأساسية:

Gorge T. Austin. Shreve's chemical process industries. Fifth edition 2000