

جامعة تكريت

كلية الهندسة

قسم الهندسة الكيميائية

Unit Operations

Lecturer

Shymaa Ali Hameed

2013 - 2014



Teaching scheme: 2 hours lecture and 1 hour tutorial per week

Topics

- 1- Introduction to industrial units and phenomena Jump
- 2- Technology solid particles
- 3- Within minutes of the fluid flow
- 4- Precipitation or sedimentation
- 5- Fluid flow through packed columns
- 6- Liquefaction
- 7- Filtration
- 8- Membrane separation
- 9- Mixing
- 10-Centrifuge

Textbook

1. McCabe W.L., Smith J.C. & Harriott P., Unit Operations in Chemical Engineering, McGraw Hill

References

1. Seader J.D.& Henley E.J Separation Process Principles Wiley India
2. Coulson J.M. & Richardson J.F., Chemical Engineering, Vol. II, ELBS, Pergamon

