

CHE (258)302	Unit Operations of Chemical Engineering II	3(3/3-0/0)
Abbreviation	UNIT OP CHEM ENG II	
Prerequisite	CHEM 102 and third year standing	

Course Description

Particulate solid properties and comminution, mechanical separation, agitation, mixing, humidification, and drying.

Objective

Students will be able to understand principle, operation and design of unit operations involving solid, mechanical separation, agitation and mixing, humidification and drying.

Course Content

	Lecture Hours
1. Particulate solid properties and comminution	7
2. Mechanical separation	13
2.1 Gravity sedimentation	
2.2 Centrifugal sedimentation	
2.3 Cyclone separation	
2.4 Filtration	
3. Agitation	5
4. Mixing	5
5. Humidification	7
6. Drying	8
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