Mindluster Platform

About the course Gas Absorption Stripping Fundamentals

Gas Absorption course, In this course we will learn about gas absorption principles, processes, equipment, and applications in various engineering fields.

Engineering Category's Courses

Course Lesson(28)

Lesson 1 : **Gas Absorption Stripping Trailer**

Lesson 2 : **Welcome to the Gas Absorption Course Lec001**

Lesson 3 : **Introduction to Gas Absorption Course Lec002**

Lesson 4 : **Requirements for this Course Lec003**

Lesson 5 : **Recommended Public Lec004**

Lesson 6 : **Mass Transfer Operations Reference Lec005**

Lesson 7 : **Introduction to Section 2 Mass Transfer Review Lec006**

Lesson 8 : **What is Flux in Mass Transfer Lec016**

Lesson 9 : **Case A Equimolar Counter Diffusion Lec021**

Lesson 10 : **Unimolecular Diffusion UMD Case B Lec023**

Lesson 11 : **Two Film Theory Mass Transfer Lec029**

Lesson 12 : **Introduction to Section 3 Gas Absorption Lec040**

Lesson 13 : **What is Gas Absorption Lec041**

Lesson 14 : **Amine Gas Treating Sweetening of Sour Gas Lec048**

Lesson 15 : **Single vs Multiple Stage Operations Lec064**

Lesson 16 : **Introduction to Section 4 Tray Column Absorbers Lec066**

Lesson 17 : **Sieve Trays Lec070**

Lesson 18 : **Minimum Liquid to Gas Ratio in Absorption Counter Current Operation Lec096**

Lesson 19 : **Flooding Column Operation Lec120**

Lesson 20 : **Exercise 12 Diameter of a Tray Column Lec128**

Lesson 21 : **Introduction to Section 5 Packed Columns Lec136**

Lesson 22 : **Introduction to Packings Lec141**

Lesson 23 : **Method of Transfer Units MTU Lec161**

Lesson 24 : **Method of Transfer Units Overall vs Local Lec164**

Lesson 25 : **Introduction to Section 6 Advanced Absorption Systems Lec175**

Lesson 26 : **Introduction to Section 7 Software Simulation in Absorption Lec182**

Lesson 27 :
Case Study 1 Tray Sizing Diameter Effect in Pressure Drop of an Asorber Aspen Plus Lec202

Lesson 28 :
Case Study 2 Absorption of SO2 by increase in Pressure Aspen HYSYS Simulation Lec206

Related courses

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