Mindluster Platform

About the course Mass Transfer Principles

Mass Transfer Principles course in hindi, This course covers fundamental principles and techniques related to mass transfer processes in chemical engineering and industrial applications.

Engineering Category's Courses

Course Lesson(33)

Lesson 1 : **Mass Transfer Operations II Introduction video**

Lesson 2 : **Lec 1 Basic concepts Adiabatic saturation temperature**

Lesson 3 : **Lec 2 Design calculations of cooling tower**

Lesson 4 : **Lec 3 Design of cooling tower**

Lesson 5 : **Lec 4 Design of cooling tower**

Lesson 6 : **Lec 5 Air conditioning Example problems on dehumidification**

Lesson 7 : **Lec 6 Mechanism of drying and drying equilibria drying rate curve**

Lesson 8 : **Lec 7 Drying rate of drying for batch dryers**

Lesson 9 : **Lec 8 Drying rate of drying for continuous dryers**

Lesson 10 : **Lec 9 Drying time calculation from drying rate curve**

Lesson 11 : **Lec 10 Introduction to liquid liquid extraction liquid liquid equilibria**

Lesson 12 : **Lec 11 Effect of temperature on LLE Design of single stage extraction**

Lesson 13 : **Lec 12 Design Calculation of Multistage Operation**

Lesson 14 : **Lec 13 Design calculation of multistage cross current extraction**

Lesson 15 :
Lec 14 Design calculation of multistage counter current extraction Selection of extractors

Lesson 16 : **Lec 15 Leaching single stage operation**

Lesson 17 : **Lec 16 Leaching multistage operation**

Lesson 18 : **Lec 17 Supercritical Fluid Extraction equipmet for leaching**

Lesson 19 : **Lec 18 Fundamentals of membrane separation processes**

Lesson 20 : **Lec 19 Manufacturing of membranes advantages and limitations**

Lesson 21 : **Lec 20 Various models and applications design aspects**

Lesson 22 : **Lec 21 Various models and applications design aspects**

Lesson 23 : **Lec 22 Electric field enhanced membrane separation processes**

Lesson 24 : **Lec 23 Micellar enhanced ultrafiltration**

Lesson 25 : **Lec 24 Adsorption types and nature isotherm**

Lesson 26 : **Lec 25 Stage wise and continuous adsorption**

Lesson 27 : **Lec 26 Fluidized bed and teeter bed**

Lesson 28 : **Lec 27 Unsteady state fixed bed adsorbers ion exchange**

Lesson 29 : **Lec 28 Crystallization types of crystal geometry**

Lesson 30 : **Lec 29 Solid liquid phase equilibrium Theory of crystallization**

Lesson 31 : **Lec 30 Design of crystallizer crystallization equipment**

Lesson 32 : **Lec 31 Concluding remarks Part 1**

Lesson 33 : **Lec 31 Concluding remarks Part 2**

Related courses

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