

CY-305 INDUSTRIAL STOICHIOMETRY

Units and Dimension, conversion of units dimension analysis, stoichiometric and composition, concepts of ideal gases, vapor pressure saturation and humidity as applied material balance calculation Introduction to material & energy balance computation.

Material balancing involving consecutive reactions, recycling and purging of streams, energy computation and conservation in respect of selected unit process and unit operation combined material and energy balance calculation over process with particular reference to petroleum refining.