

Course code	Course Name	L-T-P-Credits	Year of Introduction
CH332	MASS TRANSFER OPERATIONS LAB	0-0-3-1	2016
Prerequisite: CH303 Mass transfer operations -I			
Course objectives			
<ul style="list-style-type: none"> To supplement the theory course on mass transfer operations 			
List of Experiments: (Minimum 10 experiments are mandatory)			
<ol style="list-style-type: none"> 1. Diffusion coefficient measurement 2. Wetted wall column- measurement of mass transfer coefficient. 3. Simple Distillation 4. Steam distillation 5. Distillation in packed columns, HETP. 6. Absorption in Packed bed columns 7. Surface evaporation – Free convection mass transfer. 8. Liquid extraction: Determination of ternary liquid – liquid equilibria. 9. Simple leaching 10. Cross current leaching 11. Counter current leaching. 12. Adsorption: Determination of adsorption isotherm. 13. Atmospheric batch drying. 14. Any other experiments related to mass transfer operations applicable in chemical engineering field. 			
Expected outcome			
<ul style="list-style-type: none"> The students will be able to conduct experiments to find characteristics of different mass transfer operations 			

