



Course Outline

Course Code: PHR 307 L

Course Title: Biopharmaceutics and pharmacokinetics I Lab

Assigned Faculty and their class schedule:

Assigned Faculty	Day	Time	Email ID
Dr. Abu Sara Shamsur Rouf (ASSR)		02:00-04:30 pm	rouf321@yahoo.com
Dr. A K Lutful Kabir (AKLK)			aklkabir@gmail.com

Course Aims:

To make the students familiar with biopharmaceutical aspects of pharmacological response.

Lab Class Schedule (10-12 classes):

No. of Expt	Name of the experiment	Date:
1.	Preparation of supersaturated solution in different solvent system and evaluation of crystals/ polymorph under microscope.	
2.	Preparation of different types of buffer by considering pH at 3,5,6, 6.5, 6.8 and 7.8	
3.	Disintegration studies of solid dosage forms.	
4.	Dissolution studies of solid dosage forms at different pH.	
5.	Comparative dissolution studies of different brands available in market.	
6.	Make a list of generic medicine.	
7.	Prescription studies regarding polypharmacy.	
8.	Official books used for preparing pharmaceuticals.	
9.	Preparation of true buffer system (pH 4.75, 6.8 and 7.2).	

