



## Course Weekly Outline

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<b>Title</b>	Physical pharmacy				
<b>Course Coordinator</b>	First semester				
<b>Course Objective</b>	: To understand the application of quantitative and theoretical principles of the physical characters of matter in the practice of pharmacy. It aids the pharmacists in their attempt to predict the solubility, compatibility and biological activity of drug products				
<b>Course Description</b>	States of matter , Thermodynamics, Solutions of non-electrolytes , Solution of electrolytes , Ionic equilibria, , Buffered and isotonic solutions				
<b>Textbook</b>	<i>Physical Pharmacy by Alfred Martin et al</i>				
<b>References</b>	wikipedia				
<b>Course Assessment</b>	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (25%)	As (15%)	As (10%)	----	As (50%)
<b>General Notes</b>					



## Course weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1				
2				
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8	25-11	Solutions of non-electrolytes, properties		
9	30-11	, properties, ideal and real		
10	2-12	colligative properties		
11	7-12	molecular weight determination		
12	9-12	Solution of electrolytes, properties		
13	14-12	Arrhenius theory of dissociation,		
14	16-12	ionic strength		
15	21-12	Debye-Huchle theory,		
16	23-12	coefficients for expressing colligative properties		
<b>Half-year Break</b>				
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Instructor Signature:

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