



Course Weekly Outline

Course Instructor	Athmar jawed ahmed				
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Title	pharmacognosy				
Course Coordinator	pharmacognosy				
Course Objective	_Enable students to practice the extraction and separation and . identification of components isolated from natural sources techniques, using different methods of extraction and chromatographic methods				
Course Description	separation and identification of components isolated from natural sources				
Textbook	Pharmacognosy and biotechnology Taylor Pharmacognosy Trease and evanse				
References	Natural products chemistry books				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (30%)	As (10%)	As (10%)	----	As (50%)
General Notes	1. Needs more time (i.e another term) to cover all the information . 2. Needs the related apparatus .				

Course weekly Outline

Week	Date	Topics Covered	Lab. Experiment assignments	Notes
1	4-10-2014		Cardio-active glycosides	
2	11-10-2014		Anthraquinoneglycosides.	
3	18-10-2014		Saponinglycosides.	
4	25-10-2014		Tannins.	
5	1-11-2014		Volatile oils	
6	8-11-2014		Isolation of piperine from black pepper.	
7	15-11-2014		Isolation of belladonna alkaloids and their identification.	
8	22-11-2014		Isolation of caffeine from tea.	
9	29-11-2014		Isolation of <i>Peganumharmala</i> alkaloids.	
10	6-12-2014		Preparation of Khellin.	
11	13-12-2014		Flavonoids of <i>Rutagraveolens</i> .	
12	20-12-2014		Extraction of hesperidin.	
13	27-12-2014		Isolation of pectin.	
14	3-1-2015		Isolation of citric acid from lemon juice.	
15	10-1-2015		Isolation of Podophyllotoxin from <i>Podophyllummodi</i> ; Isolation of Rotenone from <i>Lonchocarpus</i> Spp.	
16				
Half-Year Break				
17			Isolation of <i>Peganumharmala</i> alkaloids.	
18			Preparation of Khellin.	
19			Flavonoids of <i>Rutagraveolens</i> .	
20			Extraction of hesperidin.	
21			Isolation of pectin.	
22			Isolation of citric acid from lemon juice.	
23			Isolation of Podophyllotoxin from <i>Podophyllummodi</i> ;	

			Isolation of Rotenone from <i>Lonchocarpus</i> Spp.	
24			Isolation of <i>Peganumharmala</i> alkaloids.	
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Instructor Signature:

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