

Instrumental Drug Analysis CHC024004L

Schedule

Group	TUESDAY 11:15-15:00							
	05.10	12.10	19.10	26.10	02.11	09.11	16.11	01.02
A	0	2&4	2&4	6	1	3&5	3&5	7
	23.11	30.11	07.12	21.12	11.01	18.01	25.01	01.02
B	0	2&4	2&4	6	1	3&5	3&5	7

No.	Exercise	Issues	Place
0	Introduction	-	A-2/110
1	Stability of emulsion, Light scattering	Types of emulsions, theoretical basis of methods, methods of emulsions and dispersions preparation	A-2/110 and C-6/231
2	Determination of a presence of amino groups in amino acids-containing drugs	Chemical formulas of basic amino acids, functional groups in organic chemistry, distillation using water steam, Lambert-Beer Law, calculating concentrations and preparing dilutions	Ex2. H-6/121 Ex3. A-2/110
3	Free sulfhydryl groups in amino acids-containing drugs		
4	The rheological properties of basic components of pharmaceutical ointments and creams	Rheology, rheological classification of liquids, thixotropy, ointments, creams, base of ointments and creams	H-6/121
5	Wettability properties of polymeric materials	The surface tension – the definition and the basic information, The types of interactions in polymers, Adhesion and cohesion The contact angle	A-2/110
6	Colorimetric analysis of aspirine in commercial pharmaceuticals	Perception of a colour, preparing dilutions, calculating concentrations	A-2/110
7	Additional term	-	