

Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr	
Compulsory courses (B1 : 60Cr)								
PHIN2034-1	<i>Biotechnologies</i> - Concepts and production of protein and oligonucleotide biopharmaceuticals - David VERMIJLEN - Living biopharmaceuticals, vaccines and biosecurity - Véronique FONTAINE - Managing the risk of the release of cell and genetic products - Roland MARINI DJANG'EING'A - Formulation of biopharmaceuticals - Rita VANBEVER - Quality control and analytical techniques in biopharmaceuticals, good practice and legal recommendations, part A - Marianne FILLET - Quality control and analytical techniques in biopharmaceuticals, good practice and legal recommendations, part B (post-translational modifications) - Cédric DELPORTE - From the laboratory to the pharmacy: legal requirements - part a: Patents and industrial protection - Patrick DI STEFANO - From the laboratory to the pharmacy: legal requirements - part b: Statutes and regulatory constraints on biological products - Hugues MALONNE - From the laboratory to the pharmacy: legal requirements - part c: Procedure for releasing batches and the legal framework of vaccines - Lorenzo TESOLIN - From the laboratory to the pharmacy: legal requirements - part d: Organisation of quality assurance - Thierry PRONCE - From the laboratory to the pharmacy: legal requirements - part e: Introduction to Biobanking - Stéphanie GOFFLOT	B1	TA					7
			15	-	-			
			6	-	-			
			3	-	-			
			15	-	-			
			5	-	-			
			3	-	-			
			5	-	-			
			3	-	-			
			1	-	-			
			3	-	-			
			3	-	-			
PHIN2004-1	<i>Active substances</i> - Substances issues de recherches pharmacochimiques, part a - Substances issues de recherches pharmacochimiques, part b - François DUFRASNE - Substances d'origine naturelle, part a - Joëlle LECLERCQ - Substances d'origine naturelle, part b - Caroline STEVIGNY - Produits radiopharmaceutiques - Zena WIMANA	B1	TA				4	
			10	-	-			
			5	-	-			
			5	-	-			
			5	-	-			
			10	-	-			
PHIN2008-2	<i>Clinical viewpoints</i> - Métabolisme des médicaments et paramètres pharmacocinétiques - FrançoisXavier MATHY - Aspects théoriques et pratiques des études cliniques (y compris les méthodes statistiques appliquées aux études cliniques) - Régis RADERMECKER - Information et pharmacovigilance - Raphaël DENOZ	B1	TA				5	
			20	-	-			
			15	-	-			
			10	-	-			
PHIN2013-2	<i>Quality assurance and pharmaceutical management</i> - Principles of pharmaceutical management - JeanMichel VANDERHOFSTADT - Quality assurance, part a: basic concepts and quality assurance organisation - Thierry PRONCE - Quality assurance, part b: analytical technology of procedures and risk analysis - Xavier MARCELIS - English applied to the pharmaceutical industry - Jacques POUPAERT, Nevin SERBEST - Pharmaceutical marketing - Vincent BIERLAIRE	B1	TA				7	
			10	-	-			
			18	-	-			
			10	-	-			
			20	-	-			
			7,5	-	-			
PHIN2033-1	<i>Pharmaceutical technology</i> - Industrial pharmaceutical microbiology - Véronique FONTAINE - Preformulation and selection of galenical forms - Jonathan GOOLE - Industrial production of galenical forms - Brigitte EVRARD - Industrial aspects of technological development including packaging - Laurence DENIS	B1	TA				5	
			9	-	-			
			15	-	-			
			15	-	-			
			10	-	-			
PHIN2023-1	<i>Drug analysis</i>	B1	TA				6	

	- Analytical control practices and pharmaceutical and biopharmaceutical control - part a - Pierre VAN ANTWERPEN	7	-	-	
	- Analytical control practices and pharmaceutical and biopharmaceutical control - part b - Marianne FILLET	5	-	-	
	- Pharmaceutical and biopharmaceutical analytical methods - Approving and certifying equipment - Philippe HUBERT, Roland MARINI DJANG'EING'A	12	-	-	
	- Pharmaceutical and biopharmaceutical analytical methods - Process Analytical Technology - Eric ZIEMONS	5	-	-	
	- Statistical methods applied to the pharmaceutical industry - Laure ELENS	15	-	-	
	- Experimental planning and quality by design - Bruno BOULANGER, Pierre LEBRUN	10	-	-	
PHIN2029-2	Regulation and the medical-social environment	B1	TA		8
	- Economic aspects of drug development - Dominique MARTIN	10	-	-	
	- Legislation and procedures applied to pharmaceutical industry - part a: Legislation - Catherine DRUEZ	10	5	-	
	- Legislation and procedures applied to pharmaceutical industry - part b: Patents and industrial protection - Patrick DI STEFANO	5	-	-	
	- Macroeconomic environment and pharmaco-economics - Hugues MALONNE	10	-	-	
	- CTD File (Common Technical Document) - Walid EL AZAB	15	-	-	
	- Regulations of preclinical and clinical studies: Pharmaceutical toxicological files - Karen VAN MALDEREN	15	-	-	
	- Regulations of preclinical and clinical studies: Clinical studies - Anne LENAERS	5	-	-	
	- Regulations of preclinical and clinical studies: Pediatric studies - Thierry SCHURMANS	2,5	-	-	
	- Specific regulatory issues, part a: medicine and herbal dietary supplement - Michel FREDERICH	5	-	-	
	- Specific regulatory aspects, part b: Preformulation and documentation of galenic development - Francis VANDERBIST	5	-	-	
	- Belgian and European legislation on clinical trials	5	-	-	
PHIN2032-1	Visits and seminars organised in the pharmaceutical industry - François DUFRASNE, Marianne FILLET, Joëlle LECLERCQ, Rita VANBEVER - [75h Vis.]	B1	TA	-	[+] 3
MTFE2000-1	End-of-course work carried out during an internship in the pharmaceutical industry or in a university research lab - François DUFRASNE, Philippe HUBERT, Joëlle LECLERCQ - [12w STCO]	B1	TA	-	[+] 15