

## Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr
<b>Compulsory courses (B1 : 60Cr, B2 : 60Cr, B3 : 60Cr)</b>							
<b>Module 1 : Hospital organization and management (B1 : 10Cr)</b>							
MCPH2017-3	<i>Organization and hospital management elements</i> - Organization and management - Hugues MALONNE - Accounting and financial management - Magali PIRSON - General concepts of management and quality management - Didier VAN CAILLIE	B1					<b>5</b>
			9	-	-		
			9	-	-		
			18	-	-		
MCPH2001-3	<i>Good hospital pharmacy practice</i> - Marc DEMOULIN, Thierry VAN HEES, Serge VAN PRAET - [12h SEM]	B1	Q1	24	-	[+]	<b>5</b>
<b>Module 3 : Pharmacotherapy - Part 1 (B1 : 3Cr)</b>							
MCPH2033-1	<i>Clinical trials</i> - Methodologies used in clinical trials and observational studies - Xavier GERARD, Olivia NIESSEN - Complements of biostatistics - Christian MELOT - [3h SEM]	B1					<b>3</b>
			12	-	-		
			6	-	[+]		
<b>Module 4 : Pharmaceutical and hospital technology - Part 1 (B1 : 15Cr)</b>							
MCPH2034-1	<i>Hospital pharmacy technology : manufacture, control, quality assurance of hospital preparations, Part 1</i> - Isabelle LAURENT, Bernard VAN GANSBEKE - [3h SEM]	B1		24	-	[+]	<b>5</b>
MCPH2035-1	<i>Medical devices including pharmaco-materiovigilance legislation</i> - Yvan HUON, Virginie MISTRETTA, Muriel MONS, Serge VAN PRAET	B1		39	-	-	<b>5</b>
MCPH2030-1	<i>Parenteral treatment, medical and surgical techniques and Gene and cell therapy</i> - JeanFrançois BRICHANT, JeanLouis VINCENT	B1		30	-	-	<b>5</b>
<b>Module 5 : Pharmaceutical radiotherapy - Part 1 (B1 : 2Cr)</b>							
MCPH2036-1	<i>Theoretical aspects, therapeutic and diagnostic applications</i> - Joël AERTS, Ghanem GHANEM	B1	TA	12	-	-	<b>2</b>
<b>Placement in an approval institution (B1 : 30Cr, B2 : 20Cr)</b>							
MSTG9043-1	<i>Placements, block 1, 1st part</i> - Organization and management of the hospital pharmacy ; organization and management of the circulation of medicines including management of the processes, quality management and management of information concerning the medicines - COLLÉGIALITÉ - [480h Internship] - Clinical trials - COLLÉGIALITÉ - [30h Internship]	B1				[+]	<b>15</b>
			-	-		[+]	
			-	-		[+]	
MSTG9044-1	<i>Placements, block 1, 2nd part</i> - Préparation oncologique et produits à risque - COLLÉGIALITÉ - [180h Internship] - Autres préparations, y compris préparations magistrales et préparations stériles - COLLÉGIALITÉ - [90h Internship] - Radiothérapie pharmaceutique - COLLÉGIALITÉ - [60h Internship]	B1				[+]	<b>15</b>
			-	-		[+]	
			-	-		[+]	
			-	-		[+]	
MSTG9045-1	<i>Placements, block 2, 1st part</i> - Fight against infections including hospital hygiene and central sterilization - COLLÉGIALITÉ - [60h Internship] - Management of the antibiotherapy and of the antibioprophyllaxy - COLLÉGIALITÉ - [60h Internship] - Organization and management of medical device stock, including activities under the remit of the Medical Equipment Committee's missions - COLLÉGIALITÉ - [120h Internship]	B2				[+]	<b>10</b>
			-	-		[+]	
			-	-		[+]	
			-	-		[+]	
MSTG9046-1	<i>Placements, block 2, 2nd part</i> - Clinical pharmacy and pharmaceutical care practised in one or two care units - COLLÉGIALITÉ - [300h Internship]	B2				[+]	<b>10</b>
			-	-		[+]	

- Activities under the remit of the Pharmacy and Therapeutic Committee's missions - COLLÉGIALITÉ - [60h Internship] - - [+]

**Module 2 : Fight against infections and prevention (B2 : 6Cr)**

MCPH2038-1	<i>Fight against infections and prevention</i>	B2	Q1						<b>6</b>
	- Hospital hygiene - Geneviève CHRISTIAENS		12	-	-				
	- Microbiology supplements ; sterilization and disinfection - Pierrette MELIN		18	-	-				
	- Vaccinology and antibiotic therapy supplements, including Prophylactic antibiotic treatment - Baudouin BYL		18	-	-				

**Module 3 : Pharmacotherapy - Part 2 (B2 : 19Cr)**

MCPH2039-1	<i>Physiopathology and advanced pharmacotherapy</i> - JeanMarie KRZESINSKI	B2	Q1	60	-	-			<b>9</b>
MCPH2040-1	<i>Advanced pharmacokinetics, pharmacogenomic and therapeutic monitoring of drugs</i> - Corinne CHARLIER, JeanPol DETIFFE	B2		12	-	-			<b>3</b>
MCPH2041-1	<i>Clinical pharmacy</i>	B2							<b>7</b>
	- Clinical pharmacy and pharmaceutical care - Sophie LORENT		18	-	-				
	- Management of information and introduction to EBM - Thierry VAN HEES		12	-	-				
	- Seminars of clinical pharmacy - Sophie LORENT, Thierry VAN HEES - [24h SEM]		-	-	-	[+]			

**Module 5 : Pharmaceutical radiotherapy - Part 2 (B2 : 2Cr)**

MCPH2042-1	<i>Diagnostic techniques and contrast products</i> - Paul MEUNIER	B2		9	-	-			<b>2</b>
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**Learning field (B2 : 10Cr)**

MCPH2043-1	<i>Learning file : Organization and hospital management (Module 1), Fight against infections and prevention (Module 2), Pharmacotherapy (Module 3) and Toxicology pharmacology and hospital (Module 4) - COLLÉGIALITÉ</i>	B2		-	-	-			<b>10</b>
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**Module 6 : Initiation to clinical research (B2 : 3Cr)**

MCPH2044-1	<i>Introduction to clinical research and in hospitals</i> - Michèle GUILLAUME, Sophie LORENT, Thierry VAN HEES	B2	Q2	12	-	-			<b>3</b>
MCPH2045-1	<i>Writing of the protocol</i> - COLLÉGIALITÉ	B3		-	-	-			<b>10</b>
MCPH2048-1	<i>Project realisation including thematic courses and seminars</i>	B3							<b>25</b>
	- Part 1 : Project realisation - COLLÉGIALITÉ - [1000h Internship]		-	-	-	[+]			
	- Part 2 : Thematic courses and seminars - COLLÉGIALITÉ		-	-	-				
MTFE9007-1	<i>Writing and defense of final thesis</i> - COLLÉGIALITÉ	B3		-	-	-			<b>25</b>