

## Block view of the study programme

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### Block 1

#### Compulsory courses

##### Module 1 : Hospital organization and management

MCPH2017-3	<i>Organization and hospital management elements</i>	TA				<b>5</b>
	- Organization and management - Hugues MALONNE	9	-	-		
	- Accounting and financial management - Magali PIRSON	9	-	-		
	- General concepts of management and quality management - Viviane LIEVIN, Didier VAN CAILLIE	18	-	-		

MCPH2001-3	<i>Good hospital pharmacy practice</i> - Marc DEMOULIN, Didier MAESEN, Serge VAN PRAET - [12h SEM]	Q1	24	-	[+]	<b>5</b>
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##### Module 3: Pharmacotherapy

MCPH2033-1	<i>Clinical trials</i>	TA				<b>3</b>
	- Methodologies used in clinical trials and observational studies - Régis RADERMECKER	12	-	-		
	- Complements of biostatistics - Fati KIRAKOYA - [3h SEM]	6	-	[+]		

##### Module 4: Pharmaceutical and hospital technology

MCPH2034-1	<i>Hospital pharmacy technology : manufacture, control, quality assurance of hospital preparations, Part 1</i> - Isabelle ROLAND - [3h SEM]	TA	24	-	[+]	<b>5</b>
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MCPH2035-1	<i>Medical devices including pharmaco-materiovigilance legislation</i> - Frédéric LECOMTE, Hugues MALONNE, Muriel MONS, Serge VAN PRAET	TA	39	-	-	<b>5</b>
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MCPH2030-1	<i>Parenteral treatment, medical and surgical techniques and Gene and cell therapy</i> - Etienne BAUDOUX, Cédric DELPORTE, Jessica OURAGA, Laurence ROEDIGER	TA	30	-	-	<b>5</b>
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##### Module 5: Pharmaceutical radiotherapy

MCPH2036-1	<i>Theoretical aspects, therapeutic and diagnostic applications</i> - Ghanem GHANEM, Zena WIMANA	TA	12	-	-	<b>2</b>
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#### Placement in an approval institution

MSTG9043-1	<i>Placements, block 1, 1st part</i>	TA				<b>15</b>
	- 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]	-	-	[+]		

MSTG9044-1	<i>Placements, block 1, 2nd part</i>	TA				<b>15</b>
	- 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]	-	-	[+]		

### Block 2

#### Compulsory courses

##### Placement in an approval institution

MSTG9045-1	<i>Placements, block 2, 1st part</i>	TA				<b>10</b>
	- Fight against infections including hospital hygiene and central sterilization - COLLÉGIALITÉ - [60h Internship]	-	-	[+]		
	- Management of the antibiotherapy and of the antibioprophylaxy - 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]*

MSTG9046-1	<i>Placements, block 2, 2nd part</i>	TA				<b>10</b>
	- <i>Clinical pharmacy and pharmaceutical care practised in one or two care units - COLLÉGIALITÉ - [300h Internship]</i>	-	-	[+]		
	- <i>Activities under the remit of the Pharmacy and Therapeutic Committee's missions - COLLÉGIALITÉ - [60h Internship]</i>	-	-	[+]		

### Module 2 : Fight against infections and prevention

MCPH2038-1	<i>Fight against infections and prevention</i>	TA				<b>6</b>
	- <i>Hospital hygiene - Jonathan ALFAGEME GONZALES</i>	12	-	-		
	- <i>Microbiology supplements ; sterilization and disinfection - MariePierre HAYETTE</i>	18	-	-		
	- <i>Vaccinology and antibiotic therapy supplements, including Prophylactic antibiotic treatment - Baudouin BYL</i>	18	-	-		

### Module 3: Pharmacotherapy

MCPH2039-1	<i>Physiopathology and advanced pharmacotherapy - Sara BAKAY, Frédéric BARON, Catherine BONVOISIN, Vincent BOURS, Olivier COLLARD, Jean DELWAIDE, Bernard DUBOIS, Manon GILLET, Isabelle HANSEN, Antoine HERPAIN, François JOURET , Caroline LE GOFF, Patrick PÉTROSIANS, Vincent RIGO, Audrey SAMALEASUAREZ, Bruno SANTONI, Brieuc SAUTOIS, Gaëlle VERTENOIL</i>	TA	60	-	-	<b>9</b>
MCPH2040-1	<i>Advanced pharmacokinetics, pharmacogenomic and therapeutic monitoring of drugs - Corinne CHARLIER, JeanPol DETIFFE</i>	TA	12	-	-	<b>3</b>
MCPH2041-1	<i>Clinical pharmacy</i>	TA				<b>7</b>
	- <i>Clinical pharmacy and pharmaceutical care - Sophie LORENT</i>	18	-	-		
	- <i>Management of information and introduction to EBM</i>	12	-	-		
	- <i>Seminars of clinical pharmacy - Manon GILLET, Sophie LORENT, Audrey SAMALEASUAREZ - [24h SEM]</i>	-	-	[+]		

### Module 5: Pharmaceutical radiotherapy

MCPH2042-1	<i>Diagnostic techniques and contrast products - Paul MEUNIER</i>	TA	9	-	-	<b>2</b>
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### Learning field

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) - Sophie LORENT, Serge VAN PRAET, Wout VAN PRAET</i>	TA	-	-	-	<b>10</b>
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### Module 6 : Initiation to research

MCPH2044-1	<i>Introduction to clinical research and in hospitals - Aurélie LADANG, Sophie LORENT, Serge VAN PRAET</i>	TA	12	-	-	<b>3</b>
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### Block 3

#### Compulsory courses

MCPH2045-1	<i>Writing of the protocol - Sophie LORENT, Hugues MALONNE, Isabelle ROLAND, Serge VAN PRAET</i>	TA	-	-	-	<b>10</b>
MCPH2048-1	<i>Project realisation including thematic courses and seminars</i>	TA				<b>25</b>
	- <i>Part 1 : Project realisation - COLLÉGIALITÉ - [1000h Internship]</i>	-	-	[+]		
	- <i>Part 2 : Thematic courses and seminars - COLLÉGIALITÉ</i>	-	-	-		
MTFE9007-1	<i>Writing and defense of final thesis - Sophie LORENT, Hugues MALONNE, Isabelle ROLAND, Serge VAN PRAET</i>	TA	-	-	-	<b>25</b>