

## Two-Year Master Program (120 ECTS)

### First Year

#### Compulsory courses

SANT0740-2	<i>General Introduction to Public Health</i> - Pierre GILLET, Christiane GOSSET, Denis PORIGNON - [10h SEM]	TA	20	-	[+]	5
ECON0740-2	<i>Introduction to health economics</i> - Fabienne FECHERBOURGEOIS, Audrey NEUPREZ, Elisabeth PAUL, JeanYves REGINSTER - [5h SEM]	Q2	25	-	[+]	5
GEST0740-2	<i>Introduction to the theory of organizations and structures of Public Health</i> - Jocelyne ROBERT	Q1	20	10	-	5
GEST0741-2	<i>Management and human resources management</i> - Jocelyne ROBERT - [5h SEM]	Q1	30	-	[+]	5
SANT0741-3	<i>Health determinants</i> - Marc CLOES, Christiane GOSSET, Michèle GUILLAUME, Robert LARBUISSON, Philippe MAIRIAUX, Patrick PAPART	Q1	25	-	-	5
MET00740-1	<i>Principles of scientific investigation II</i>					6
	- <i>Part 1 : English</i> - Julien DUBOIS, Sébastien SCHOENMAECKERS - [10h Mon. Read.]	-	10	[+]		
	- <i>Part 2 : Introduction to procedures in public health research</i> - Michèle GUILLAUME		15	5	-	
	- <i>Part 3 : Applied procedures for thesis</i> - Olivier BRUYÈRE, JeanOlivier DEFRAIGNE, Alexandre GHUYSEN, Pierre GILLET, Christiane GOSSET, Michèle GUILLAUME - [30h Mon. WS]	-	-	[+]		
SANT0754-1	<i>The presentation of health and the multicultural approach</i> - Chris PAULIS - [5h SEM]		10	-	[+]	2
DROI0740-2	<i>Social aspects of health</i>					5
	- <i>Droit et santé</i> - Gilles GENICOT		20	-	-	
	- <i>Bioéthique et médecine sociétale</i> - Philippe BOXHO, JeanYves REGINSTER - [5h SEM]		10	-	[+]	
	- <i>Informatique et santé</i> - FrançoisAndré ALLAERT		10	-	-	
STAT0740-2	<i>Statistical methods in epidemiology</i> - Olivier BRUYÈRE	Q2	20	20	-	6

#### Optional courses

##### Choose one of the following modules

Notice : The choice of a module must meet with the agreement of the jury

#### Health care IA

LEGI0740-2	<i>Management and finance of care institutions</i>					3
	- <i>Assurance maladie-invalidité</i> - Benoît COLLIN - [5h Int. Pr.]		10	-	[+]	
	- <i>Réglementation et législation hospitalière</i> - Pierre GILLET		15	-	-	
SANT0744-2	<i>Organization, management and information on resources for care-providing institutions</i> - Pierre GILLET		20	-	-	2
GEST0104-3	<i>General Accounting of Care Companies and Institutions</i> - Mapapa MBANGALA - Suppl : Anne BILS		30	-	-	3

#### Health care IB

PATH0740-1	<i>Surgical, cardiac and renal pathologies</i>					4
	- <i>Part I : Kidneys and urinary tract</i> - Bernard DUBOIS, JeanMarie KRZESINSKI		15	5	-	
	- <i>Part II : Adult cardiac surgery</i> - Pierre BONNET, Etienne CREEMERS, Quentin DESIRON		15	5	-	
TECH0740-1	<i>Clinical applications and professional practice I</i> - Francine BLAFFART, Dominique HELLA - [10h SEM]		10	10	[+]	4

#### Health care IC

SANT0744-2	<i>Organization, management and information on resources for care-providing institutions</i> - Pierre GILLET	20	-	-	2
SANT0002-1	<i>Biomedical and preventive approach of chronic diseases</i> - JeanChristophe PHILIPS	40	-	-	3
NUTR0001-1	<i>Nutritional approach</i> - Jacinthe DANCOT, Michèle GUILLAUME	Q2 20	-	-	2
HULG0454-1	<i>Leadership : communication and interdisciplinary strategies</i> - MarieClotilde LEBAS - [6h Mon. WS]	4	-	[+]	1

#### Health and society I

SANT0742-2	<i>Health prevention, promotion and education</i> - Christiane GOSSET - [10h SEM]	30	-	[+]	6
SANT0755-2	<i>Seminar on current issues in public health I</i> - COLLÉGIALITÉ - [10h SEM]	TA -	-	[+]	2

Choose one focus from the following :

#### Health institution management Focus

##### Compulsory courses

PHAR0710-2	<i>Management of Hospital Pharmacy and Drug Economics</i> - <i>Economie du médicament en milieu ambulatoire</i> - Thierry VAN HEES	10	-	-	2
	- <i>Gestion des médicaments en milieu hospitalier</i> - Thierry VAN HEES	12	-	-	
LEGI0750-1	<i>Legislation and institutional relationships</i> - <i>Relations entre les institutions de soins et leurs partenaires</i> - Alain DEJACE, Daniel GILLAIN	20	-	-	6
	- <i>Législation relative aux maisons de repos et soins</i> - Daniel GILLAIN	20	-	-	
	- <i>Législation sociale et droit au travail</i> - Francis JADOT	20	-	-	

#### Professional Focus in Intensive Care and Emergency Room Care

##### Compulsory courses

URGC0711-2	<i>Out-of-hospital Emergencies and Mobile Emergency Services</i> - Alexandre GHUYSEN	30	-	-	3
URGC0712-1	<i>Hospital Emergency Services</i> - Vincenzo D'ORIO, Alexandre GHUYSEN	30	-	-	3
URGC0722-1	<i>Deontological problems and ethics relating to intensive and emergency care</i> - Vincenzo D'ORIO, Pierre DAMAS	15	-	-	2

#### Professional Focus in Hospital and Perfusion Technology

##### Compulsory courses

MSTG0740-1	<i>Placement in operating theatre</i> - COLLÉGIALITÉ	-	-	-	5
TECH0750-1	<i>Biochemistry and human physiology/haemostasis and coagulation</i> - JeanOlivier DEFRAIGNE, Alexandre GHUYSEN, Pierre PETERS	30	-	-	3

#### Professional Focus in Promoting Public Health and the Environment

##### Compulsory courses

SANT0752-1	<i>Communicating health-promotion and the environment</i> - Marianne VON FRENCKELL - [5h SEM, 5h Mon. WS]	15	-	[+]	3
PSYC0017-1	<i>Social psychology</i> - Benoît DARDENNE	Q2 30	-	-	3
SANT0751-1	<i>Development of health-promotion projects, I</i> - Christiane GOSSET - [5h SEM]	10	5	[+]	2

#### Professional focus in epidemiology and health economics

##### Compulsory courses

GEOG0219-1	<i>Geo-demography</i> - Laurence THOMSIN	20	10	-	3
EPID0750-2	<i>Advanced course of epidemiology</i> - Olivier BRUYÈRE, JeanYves REGINSTER TA - [15h SEM]	25	-	[+]	5

#### Specialisation in advanced nursing practices

##### Compulsory courses

HULG0458-1	<i>Concepts, models, theories and applied research in nursing sciences (Epistémologie des sciences, Ontologie des sciences infirmières, Fondements théoriques et concepts fondamentaux de la discipline infirmière)</i> - Nadine JACQMIN	10	5	-	2
HULG0459-1	<i>Clinical nursing process, professional tool development and advanced practices I (Pratique infirmière avancée, examen clinique et délégation d'actes, Relation soignante)</i> - MarieClotilde LEBAS	15	15	-	4
SANT0003-1	<i>Analysis seminars on clinical situations</i> - COLLÉGIALITÉ - [15h Mon. WS]	-	-	[+]	2

## Second year

### Compulsory courses

MMEM0750-1	<i>Final thesis including a training to professionalize</i> - COLLÉGIALITÉ	TA	-	-	-	24
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### Optional courses

#### Choose one of the following modules

Notice : The choice of a module must meet with the agreement of the jury

#### Health care II B

<u>Prerequisite</u> "Soins de santé IA"						
NURS0750-1	<i>Organization, management and evaluation of nursing care</i> - Françoise BARDIAU - [10h SEM]	30	-	[+]	4	
GEST3750-1	<i>Organization, management and evaluation of medical care</i> - Part I : <i>Classification of pathologies and of their treatments</i> - Marie ERPICUM, JeanBernard GILLET, Olivier THONON - Part II : <i>First aid and reanimation</i> - Alexandre GHUYSEN - Part III : <i>Assessment and quality assurance methods in care institutions</i> - Pierre GILLET	15	10	-	4	
GEST0710-2	<i>Financial Management of Healthcare Institutions</i> - Valère AKAFOMO	15	5	-	2	
HYGI0710-2	<i>Hygiene and alimentary problems in care-providing institutions</i> - Geneviève CHRISTIAENS	Q1	20	-	2	
METO0004-1	<i>Evidence-Based Medicine and research methodology in the field of Health Care</i> - Olivier BRUYÈRE	Q1	10	10	-	2

#### Health care II B

<u>Prerequisite</u> "Soins de santé IB"						
NURS0750-1	<i>Organization, management and evaluation of nursing care</i> - Françoise BARDIAU - [10h SEM]	30	-	[+]	4	
GEST3750-1	<i>Organization, management and evaluation of medical care</i> - Part I : <i>Classification of pathologies and of their treatments</i> - Marie ERPICUM, JeanBernard GILLET, Olivier THONON - Part II : <i>First aid and reanimation</i> - Alexandre GHUYSEN - Part III : <i>Assessment and quality assurance methods in care institutions</i> - Pierre GILLET	15	10	-	4	
TECH0755-1	<i>Economy and the hospital environment</i> - Yvan HUON, Jacques MUTSERS, Thierry VAN HEES	Q2	17	-	2	
HYGI0710-2	<i>Hygiene and alimentary problems in care-providing institutions</i> - Geneviève CHRISTIAENS	Q1	20	-	2	
METO0004-1	<i>Evidence-Based Medicine and research methodology in the field of Health Care</i> - Olivier BRUYÈRE	Q1	10	10	-	2

#### Health care II C

<u>Prerequisite</u> "Soins de santé IC"					
SANT0004-1	<i>Therapeutic education of the patient</i> - N... - [15h Mon. WS]	15	-	[+]	4
METO0006-1	<i>Concepts, models, theories and applied research in nursing sciences II</i> - <i>Learning by the transdisciplinary approach of public health problems</i> -	20	-	[+]	6

	Michèle GUILLAUME - [10h Mon. WS] - <i>Analyse de théories, Méthodes de recherche en sciences infirmières et Ateliers de lecture</i> - N... - [5h Mon. WS]	10	5	[+]	
TECH0755-1	<i>Economy and the hospital environment</i> - Yvan HUON, Jacques MUTSERS, Thierry VAN HEES	Q2	17	-	2
HYGI0710-2	<i>Hygiene and alimentary problems in care-providing institutions</i> - Geneviève CHRISTIAENS	Q1	20	-	2

#### Health and society II

	<u>Prerequisite</u> "Santé et société I"				
SANT0750-3	<i>Evaluation of public health programmes</i> - Christiane GOSSET, Denis PORIGNON - [10h SEM]	Q1	10	10	[+] 4
METO0750-2	<i>Learning by the transdisciplinary approach of public health problems</i> - Michèle GUILLAUME - [10h Mon. WS]	Q1	20	-	[+] 4
SANT0756-1	<i>Seminar on current issues in public health II</i> - Olivier BRUYÈRE, Christiane GOSSET - [25h SEM]	TA	-	-	[+] 2
SANT0757-2	<i>Epidemiology applied to health determinants</i>				4
	- <i>Part I : Epidemiology applied to nutrition</i> - Michèle GUILLAUME - [15h SEM]	15	-	[+]	
	- <i>Part 2 : Clinical epidemiology</i> - Olivier BRUYÈRE - [15h SEM]	15	-	[+]	

Choose one focus from the following :

#### Professional focus in epidemiology and health economics

##### Compulsory courses

STAT1750-1	<i>Multivariate statistical analysis (english language)</i> - Adelin ALBERT, Nadia DARDENNE	Q1	10	10	-	3
EPID0751-2	<i>Pharmaco-epidemiology</i> - Olivier ETHGEN, JeanYves REGINSTER	Q2	10	-	-	2
EPID0752-1	<i>Clinical trials, meta-analysis and Evidence Based Medicine</i> - Olivier BRUYÈRE, JeanYves REGINSTER, Florent RICHY	Q1	30	10	-	4
EPID0754-1	<i>Introduction to genetic epidemiology</i> - Kristel VAN STEEN	Q2	20	20	-	4
ECON0722-2	<i>Econometry applied to health care</i> - Olivier ETHGEN	Q1	20	-	-	2
SOCI0053-5	<i>Survey Methodology</i> - Marc JACQUEMAIN	Q1	30	-	-	4
INFO0740-1	<i>DataBase Management Systems</i> - Yves WESCHE	Q2	20	10	-	3

#### Specialisation in advanced nursing practices (Prospects 2015-2016)

##### Compulsory courses

HULG0455-1	<i>Evidence Based Nursing et méthodologie de recherche dans le domaine des Soins de santé</i>	10	10	-	3
HULG0456-1	<i>Ethique clinique</i>	10	-	-	1
HULG0457-1	<i>Démarche clinique infirmière, développement des outils professionnels et pratiques avancées II, Parcours de soins complexes aigus et chroniques, ainsi que case management</i>	20	20	-	5
GERI0001-1	<i>Approche interdisciplinaire du vieillissement</i> - [15h SEM]	5	-	[+]	3
SANT0003-1	<i>Analysis seminars on clinical situations</i> - [15h Mon. WS]	-	-	[+]	2
MSTG0021-1	<i>Stages en pratiques avancées</i>	-	-	-	8

#### Professional Focus in Promoting Public Health and the Environment

##### Compulsory courses

SANT0001-1	<i>Qualitative approach in public health</i> - <i>Part 1 : Anthropological approach</i> - Chris PAULIS - <i>Part 2 : Qualitative approach</i> - Michèle GUILLAUME	10	-	-	3
SANT0751-2	<i>Development of health-promotion projects, II</i> - Michèle GUILLAUME - [5h Mon. WS, 5h Int. Pr.]	Q2	10	-	[+] 2
ENVT0885-1	<i>Health and environment</i> - <i>Environmental pollution</i> - Philippe MAIRIAUX - <i>Quantitative evaluation of environmental toxicology risks</i> - Corinne CHARLIER	15	-	-	7
		20	-	-	

	- <i>Environmental modifications and public health</i> - Pierre OZER	10	-	-	
	- <i>Medical and psychosocial approach to environmental pathologies</i> - Jean PAULUIS	15	-	-	
SANT0752-1	<i>Communicating health-promotion and the environment</i> - Marianne VON FRENCKELL - [5h SEM, 5h Mon. WS]	15	-	[+]	3
SANT0759-2	<i>Sustainable development</i> - Christiane GOSSET	10	5	-	2
PEDA1239-1	<i>Audio-visual and learning</i> - Dieudonné LECLERCQ	Q2 30	-	-	3
SANT0760-1	<i>Patient Education</i> - Nicole BARTHÉLEMY, Michèle GUILLAUME, Catherine LEGRAND, Benoît PÉTRÉ	Q1 20	-	-	2

### Professional Focus in Hospital and Perfusion Technology

#### Compulsory courses

TECH0750-1	<i>Biochemistry and human physiology/haemostasis and coagulation</i> - JeanOlivier DEFRAIGNE, Alexandre GHUYSEN, Pierre PETERS	30	-	-	3
TECH0751-1	<i>Anaesthesia and pharmacological resuscitation applied to the CEC</i> - Robert LARBUISSON	20	20	-	3
TECH0752-1	<i>Replacement devices</i> - Théophile AMAND, Francine BLAFFART, Rodolphe DURIEUX, Dominique HELLA, Marc LAGNY, Paul MASSION, Philippe MORIMONT	10	10	-	3
TECH0753-1	<i>Biocompatibility and biomaterials, fluid dynamics and circulatory modelling</i> - JeanOlivier DEFRAIGNE, Thomas DESAIVE	15	-	-	2
TECH0756-1	<i>Deontological problems and ethics relating to critically-ill patients</i> - Vincenzo D'ORIO, Pierre DAMAS	15	-	-	2
TECH0762-1	<i>Pediatric cardiac surgery</i> - Marc RADERMECKER, Dominique THIRY	15	5	-	3
MSTG0752-1	<i>Specific placement</i> - COLLÉGIALITÉ	-	-	-	6

### Professional Focus in Intensive Care and Emergency Room Care

#### Compulsory courses

REAN0751-1	<i>Specialised resuscitation</i> - Alexandre GHUYSEN	20	-	-	2
REAN0710-2	<i>Technology and Physiopathology of the Critical Patient I</i> - Vincenzo D'ORIO, Alexandre GHUYSEN	20	-	-	2
REAN0720-2	<i>Technology and Physiopathology of the Critical Patient II</i> - Pierre DAMAS	20	-	-	2
URGC0752-1	<i>Surgery specialized in Intensive Care and Emergency Care</i>				4
	- <i>Part I : Burn Surgery</i> - Denise JACQUEMIN	10	-	-	
	- <i>Part II : Abdominal Surgery and Transplantation</i> - Arnaud DE ROOVER, JeanPaul SQUIFFLET	10	-	-	
	- <i>Part III : Cardiac Surgery and Perfusion</i> - Guy DEKOSTER	10	-	-	
	- <i>Part IV : Taking Care of Polytrauma Patients</i> - Gary HARTSTEIN	10	-	-	
URGC0754-1	<i>Gynaecology and paediatrics in intensive and emergency care</i>				2
	- <i>Part I : Mother and Child : Emergencies and intensive care</i> - François DAMAS, Patrick ÉMONT, Masendu KALENGA, Michelle NISOLLE	15	-	-	
	- <i>Part II : Paediatric resuscitation</i> - Gary HARTSTEIN	10	-	-	
URGC0710-2	<i>Specialized Intensive Care</i>				3
	- <i>Part I : Sterile Unit and Transfusion</i> - Frédéric BARON, Yves BEGUIN, Danièle THULL	8	-	-	
	- <i>Part II : Organization, progressive disease and quality of intensive care</i> - Pierre DAMAS	8	-	-	
	- <i>Part III : Coronary Intensive Care Unit</i> - Patrizio LANCELLOTTI, Luc PIERARD	5	-	-	
	- <i>Neuro-Intensive Care</i> - Colette FRANSSSEN, Steven LAUREYS	5	-	-	
	- <i>Part V : Nutrition in intensive care</i> - Nicolas PAQUOT	5	-	-	
URGC0753-1	<i>Management of an intensive and emergency care team and stress management</i> - Alexandre GHUYSEN - [10h SEM]	-	-	[+]	2
URGC0721-1	<i>Management of medicines in hospitals</i> - Thierry VAN HEES	Q2 12	-	-	2
URGC0751-1	<i>Public emergency management and disaster planning</i> - Alexandre GHUYSEN, Véra PIRLET	30	-	-	3

### Professional Focus in Management of Healthcare Institutions

#### Compulsory courses

GERI0750-1	<i>Sociology, psychology and rights of the elderly</i>				<b>6</b>
	- <i>Sociologie du vieillissement</i> - Didier VRANCKEN - Suppl : Laurent NISEN	20	-	-	
	- <i>Psychologie et accompagnement de la personne âgée</i> - Stéphane ADAM	15	-	[+]	
	[5h SEM]				
	- <i>Droit civil relatif à la protection des personnes âgées et à la gestion de leur patrimoine</i> - YvesHenri LELEU - Suppl : Aurélie NOTTET	20	-	-	
GERI0751-1	<i>Taking care of the patient and wellbeing of institutional staff</i>				<b>6</b>
	- <i>Prise en charge des personnes âgées en institution</i> - Sophie ALLEPAERTS, Valérie BARTSCH, Nicolas PAQUOT, Jean PETERMANS	35	-	[+]	
	[10h SEM]				
	- <i>Sécurité, prévention et protection au travail dans les institutions de soins</i> - Philippe MAIRIAUX	10	-	[+]	
	[5h SEM]				
SANT0758-1	<i>Seminars in the field of health care</i> - COLLÉGIALITÉ		-	-	[+] <b>4</b>
MSTG0751-1	<i>Placement in MR/MRS (one week) and two weeks in elderly care</i> - COLLÉGIALITÉ		-	-	- <b>6</b>