

## 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]	20	-	[+]	5
ECON0740-2	<i>Introduction to health economics</i> - Fabienne FECHERBOURGEOIS, Mickaël HILIGSMANN, N..., JeanYves REGINSTER - [5h SEM]	25	-	[+]	5
GEST0740-2	<i>Introduction to the theory of organizations and structures of Public Health</i> - Jocelyne ROBERT	20	10	-	5
GEST0741-2	<i>Management and human resources management</i> - Jocelyne ROBERT - [5h SEM]	30	-	[+]	5
SANT0741-3	<i>Health determinants</i> - Marc CLOES, Christiane GOSSET, Michèle GUILLAUME, Robert LARBUSSON, Philippe MAIRIAUX, Patrick PAPART	25	-	-	5
METO0740-1	<i>Principles of scientific investigation II</i>				6
	- <i>Part 1 : English</i> - 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, COLLÉGIALITÉ, JeanOlivier DEFRAIGNE, Alexandre GHUYSEN, Pierre GILLET, Christiane GOSSET - [30h Mon. WS]	-	-	[+]	
SANT0754-1	<i>The presentation of health and the multicultural approach</i> - Chris PAULIS - [5h SEM]	10	-	[+]	2
DROI0740-1	<i>Social aspects of health</i>				5
	- <i>Droit et santé</i> - Gilles GENICOT	20	-	-	
	- <i>Ethique et Santé publique</i> - Philippe BOXHO, JeanYves REGINSTER - [5h SEM]	10	-	[+]	
	- <i>Informatique et santé</i> - Adelin ALBERT, FrançoisAndré ALLAERT	10	-	-	
STAT0740-2	<i>Statistical methods in epidemiology</i> - Adelin ALBERT	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>Organisation, 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	30	-	-	3

#### Health care IB

SANT0744-2	<i>Organisation, management and information on resources for care-providing institutions</i> - Pierre GILLET	20	-	-	2
PATH0740-1	<i>Surgical, cardiac and renal pathologies</i>				3
	- <i>Part I : Kidneys and urinary tract</i> - JeanMarie KRZESINSKI	15	5	-	
	- <i>Part II : Adult cardiac surgery</i> - Pierre BONNET, Etienne CREEMERS, Quentin DESIRON	15	5	-	
TECH0754-1	<i>Clinical applications and professional practice II</i> - Francine BLAFFART, Dominique HELLA - [10h SEM]	10	10	[+]	3

#### Health and society I

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

Choose one focus from the following :

**Health institution management Focus**

**Compulsory courses**

PHAR0710-1	<i>Management of Hospital Pharmacy and Drug Economics</i> - Thierry VAN HEES	15	-	-	<b>2</b>
LEGI0750-1	<i>Legislation and institutional relationships</i> - <i>Relations entre les institutions de soins et leurs partenaires</i> - Alain DEJACE, Daniel GILLAIN	20	-	-	<b>6</b>
	- <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	-	-	<b>3</b>
URGC0712-1	<i>Hospital Emergency Services</i> - Vincenzo D'ORIO, Alexandre GHUYSEN	30	-	-	<b>3</b>
URGC0722-1	<i>Deontological problems and ethics relating to intensive and emergency care</i> - Vincenzo D'ORIO, Pierre DAMAS	15	-	-	<b>2</b>

**Professional Focus in Hospital and Perfusion Technology**

**Compulsory courses**

TECH0740-1	<i>Clinical applications and professional practice I</i> - Francine BLAFFART, Dominique HELLA - [10h SEM]	10	10	[+]	<b>3</b>
MSTG0740-1	<i>Placement in operating theatre</i> - COLLÉGIALITÉ	-	-	-	<b>5</b>

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

**Compulsory courses**

PSYC0007-1	<i>Developmental psychology</i> - Aurore BOULARD	30	-	-	<b>3</b>
PSYC0017-1	<i>Social psychology</i> - Benoît DARDENNE	30	-	-	<b>3</b>
SANT0751-1	<i>Development of health-promotion projects, I</i> - Christiane GOSSET - [5h SEM]	10	5	[+]	<b>2</b>

**Professional focus in human sexuality (the programme will be withdrawn from 2013-2014)**

The programme will, however, remain open to students who are currently enrolled in this course, until they receive their degree.

**Compulsory courses**

SEXL0740-3	<i>Anatomy and physiopathology of the sexual apparatus, including sexually transmitted infections</i> - <i>Female</i> - Axelle PINTIAUX	25	-	-	<b>6</b>
	- <i>Male</i> - Robert ANDRIANNE	10	-	-	
SEXL0757-1	<i>Sexuality Anthropology and Ethnology</i> - Chris PAULIS	20	-	-	<b>2</b>

**Professional focus in epidemiology and health economics**

**Compulsory courses**

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

**Second year**

**Compulsory courses**

MMEM0750-1	<i>Final thesis including a training to professionalize</i> - COLLÉGIALITÉ	-	-	-	<b>24</b>
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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	-	[+]		<b>4</b>
GEST0750-2	<i>Organization, management and evaluation of medical care</i>						<b>4</b>
	- <i>Classification des pathologies et de leurs traitements</i> - Martine FRENAY		15	10	-		
	- <i>Réanimation de base</i> - Alexandre GHUYSEN		15	-	-		
	- <i>Méthodes d'évaluation et d'assurance de la qualité dans les institutions de soins</i> - Pierre GILLET		20	-	-		
GEST0710-2	<i>Financial Management of Healthcare Institutions</i> - Daniel PILAT		15	5	-		<b>2</b>
HYGI0710-2	<i>Hygiene and alimentary problems in care-providing institutions</i> - Geneviève CHRISTIAENS		20	-	-		<b>2</b>
METO0004-1	<i>Evidence-Based Medicine and research methodology in the field of Health Care</i> - Olivier BRUYÈRE		10	10	-		<b>2</b>

**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	-	[+]		<b>4</b>
GEST0750-2	<i>Organization, management and evaluation of medical care</i>						<b>4</b>
	- <i>Classification des pathologies et de leurs traitements</i> - Martine FRENAY		15	10	-		
	- <i>Réanimation de base</i> - Alexandre GHUYSEN		15	-	-		
	- <i>Méthodes d'évaluation et d'assurance de la qualité dans les institutions de soins</i> - Pierre GILLET		20	-	-		
TECH0755-1	<i>Economy and the hospital environment</i> - Yvan HUON, Thierry VAN HEES		10	5	-		<b>2</b>
HYGI0710-2	<i>Hygiene and alimentary problems in care-providing institutions</i> - Geneviève CHRISTIAENS		20	-	-		<b>2</b>
METO0004-1	<i>Evidence-Based Medicine and research methodology in the field of Health Care</i> - Olivier BRUYÈRE		10	10	-		<b>2</b>

**Health and society II**

	<u>Prerequisite</u>	"Santé et société I"					
SANT0750-3	<i>Evaluation of public health programmes</i> - Christiane GOSSET, Michèle GUILLAUME, Denis PORIGNON - [10h SEM]		10	10	[+]		<b>4</b>
METO0750-2	<i>Learning by the transdisciplinary approach of public health problems</i> - Michèle GUILLAUME - [10h Mon. WS]		20	-	[+]		<b>4</b>
SANT0756-1	<i>Seminar on current issues in public health II</i> - Robert ANDRIANNE, Olivier BRUYÈRE, Christiane GOSSET - [25h SEM]		-	-	[+]		<b>2</b>
SANT0757-2	<i>Epistemiology applied to health determinants</i>						<b>4</b>
	- <i>Partim I : Epidémiologie appliquée à la nutrition</i> - Michèle GUILLAUME - [15h SEM]		15	-	[+]		
	- <i>Partim II : Epidémiologie clinique</i> - Olivier BRUYÈRE - [15h SEM]		15	-	[+]		

**Follow-up to the focus**

**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 - [5h SEM]		15	-	[+]		
	- <i>Droit civil relatif à la protection des personnes âgées et à la gestion de leur patrimoine</i> - YvesHenri LELEU		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, JeanMichel CRIELAARD, Nicolas PAQUOT, Jean PETERMANS, André SCHEEN - [10h SEM]	35	-	[+]	
	- <i>Sécurité, prévention et protection au travail dans les institutions de soins</i> - Philippe MAIRIAUX - [5h SEM]	10	-	[+]	
SANT0758-1	<i>Seminars in the field of health care</i> - COLLÉGIALITÉ - [25h SEM]	-	-	[+]	<b>4</b>
MSTG0751-1	<i>Placement in MR/MRS (one week) and two weeks in elderly care</i> - COLLÉGIALITÉ -	-	-	-	<b>6</b>

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

#### Compulsory courses

REAN0751-1	<i>Specialised resuscitation</i> - Alexandre GHUYSEN	20	-	-	<b>2</b>
REAN0710-2	<i>Technology and Physiopathology of the Critical Patient I</i> - Vincenzo D'ORIO, Alexandre GHUYSEN	20	-	-	<b>2</b>
REAN0720-2	<i>Technology and Physiopathology of the Critical Patient II</i> - Pierre DAMAS	20	-	-	<b>2</b>
URGC0752-1	<i>Surgery specialized in Intensive Care and Emergency Care</i>				<b>4</b>
	- <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>				<b>2</b>
	- <i>Part I : Mother and Child : Emergencies and intensive care</i> - François DAMAS, Patrick EMONTS, Masendu KALENGA, Michelle NISOLLE	15	-	-	
	- <i>Part II : Pediatric intensive care</i> - Gary HARTSTEIN	10	-	-	
URGC0710-2	<i>Specialized Intensive Care</i>				<b>3</b>
	- <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>Partim V : Nutrition aux soins intensifs</i> - Nicolas PAQUOT	5	-	-	
URGC0753-1	<i>Management of an intensive and emergency care team and stress management</i> - Alexandre GHUYSEN - [10h SEM]	-	-	[+]	<b>2</b>
URGC0721-1	<i>Pharmacy, Intensive Care and Emergency</i> - Thierry VAN HEES	15	-	-	<b>2</b>
URGC0751-1	<i>Public emergency management and disaster planning</i> - Alexandre GHUYSEN, Véra PIRLET	30	-	-	<b>3</b>

### Professional Focus in Hospital and Perfusion Technology

#### Compulsory courses

TECH0750-1	<i>Biochemistry and human physiology</i> - Vincenzo D'ORIO, JeanOlivier DEFRAIGNE, Pierre PETERS	30	-	-	<b>3</b>
TECH0751-1	<i>Anaesthesia and pharmacological resuscitation applied to the CEC</i> - Robert LARBUISSON	20	20	-	<b>4</b>
TECH0752-1	<i>Replacement devices</i> - Francine BLAFFART, Dominique HELLA, Pierre MÉLON	10	10	-	<b>2</b>
TECH0753-1	<i>Biocompatibility and biomaterials, fluid dynamics and circulatory modelling</i> - Vincenzo D'ORIO, JeanOlivier DEFRAIGNE, Thomas DESAIVE, Philippe KOLH	15	-	-	<b>2</b>
TECH0756-1	<i>Deontological problems and ethics relating to critically-ill patients</i> - Vincenzo D'ORIO, Pierre DAMAS	15	-	-	<b>2</b>
TECH0762-1	<i>Pediatric cardiac surgery</i> - Marc RADERMECKER	15	5	-	<b>3</b>
MSTG0752-1	<i>Specific placement</i> - COLLÉGIALITÉ	-	-	-	<b>6</b>

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

#### Compulsory courses

SANT0001-1	<i>Qualitative approach in public health</i>				<b>3</b>
	- <i>Part 1 : Anthropological approach</i> - Chris PAULIS	10	-	-	
	- <i>Part 2 : Qualitative approach</i> - JeanMarie GAUTHIER, Michèle GUILLAUME	20	-	-	

SANT0751-2	<i>Development of health-promotion projects, II</i> - Michèle GUILLAUME - [5h Mon. WS, 5h Int. Pr.]	10	-	[+]	2
ENVT0885-1	<i>A medical and psychosocial approach to environmental pathologies</i>				7
	- <i>Environmental pollution</i> - Philippe MAIRIAUX	15	-	-	
	- <i>Quantitative evaluation of environmental toxicology risks</i> - Corinne CHARLIER	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	30	-	-	3
SANT0760-1	<i>Patient Education</i> - Michèle GUILLAUME	20	-	-	2

#### Professional Focus in Human Sexuality

##### Compulsory courses

SEXL0750-1	<i>Emotional and sexuality education throughout life</i> - Chris PAULIS	20	-	-	3
SEXL0751-3	<i>Psychology and sexuality, including therapy</i>				12
	- <i>Psychologie médicale et sexualité</i> - JeanMarc TRIFFAUX	15	-	-	
	- <i>Approche psychologique des troubles de la sexualité et de leurs traitements</i> - Philippe KEMPENEERS	45	-	-	
	- <i>Approche physiothérapeutique des troubles de la sexualité</i> - Marc VANDERTHOMMEN	10	-	-	
	- <i>Modèles et implications en thérapie sexuelle</i> - AndréMarie MASSON	20	-	-	
SEXL0752-1	<i>Disability and sexuality</i> - Françoise LOUIS	15	-	-	2
DROI0722-1	<i>Law and legal medicine aspects of sexuality</i> - Adrien MASSET, Jacqueline QUIRINY	15	-	-	2
SEXL0754-2	<i>Theory of interpersonal relationships and role-playing</i> - Philippe KEMPENEERS, Marc MALEMPRÉ	10	10	-	3

#### Professional focus in epidemiology and health economics

##### Compulsory courses

STAT0750-1	<i>Multivariate statistical analysis</i> - Adelin ALBERT	10	10	-	3
EPID0751-2	<i>Pharmaco-epidemiology</i> - Mickaël HILIGSMANN, JeanYves REGINSTER	10	-	-	2
EPID0752-1	<i>Clinical trials, meta-analysis and Evidence Based Medicine</i> - Olivier BRUYÈRE, JeanYves REGINSTER, Florent RICHY	30	10	-	4
EPID0754-1	<i>Introduction to genetic epidemiology</i> - Kristel VAN STEEN	20	20	-	4
ECON0722-2	<i>Econometry applied to health care</i> - Olivier ETHGEN	20	-	-	2
SOCI0053-5	<i>Survey Methodology</i> - Marc JACQUEMAIN	30	-	-	4
INFO0740-1	<i>DataBase Management Systems</i> - Yves WESCHE	20	10	-	3