Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr

Compulsory courses (B1 : 43Cr, B2 : 27Cr)

		Bl	Or	Th	Pr	Au	Cr
SANT0740-2	*General introduction to public health* - Michèle GUILLAUME - [10h Mon. WS]	B1	Q1	30	-	[+]	4
STAT0730-2	*Biostatistics*	B1	Q1				5
	- *Biostatistics* - AnneFrançoise DONNEAU			30	-	-	
	- *Statistical analysis software* - AnneFrançoise DONNEAU, Philippe KOLH			5	25	-	
METO1021-1	*Critical approach to evidence based public health* - Olivier BRUYÈRE, Nancy DURIEUX - [10h AUTR]	B1	Q1	20	20	[+]	5
ECON2304-1	*Organisational and economic aspects of health systems* - Benoît COLLIN, Fabienne FECHERBOURGEOIS, Yolande HUSDEN, Denis PORIGNON - [10h AUTR]	B1	Q1	40	-	[+]	5
LEGI1005-1	*Law, legislation and regulations in the healthcare sector* - Quentin DETIENNE, Gilles GENICOT, Pierre GILLET - [15h AUTR]	B1	Q1	35	10	[+]	5
SANT4011-1	*Epidemiology* - Olivier BRUYÈRE **Corequisite :** STAT0730-2 - Biostatistique	B1	Q2	30	15	-	4
SANT4010-1	*Analysis of public health actions* - Nathan CHARLIER, Catherine FALLON, Aline THIRY - [10h AUTR]	B1	Q2	30	-	[+]	4
GEST7057-1	*Strategic management of health organisations* - Pierre GILLET, Nicolas NEYSEN	B1	Q2	20	15	-	4
METO1033-1	*Preparing the dissertation* - COLLÉGIALITÉ, Axelle HOGE, Benoît PÉTRÉ **Corequisite :** METO1022-1 - Méthodologie de la recherche	B1	Q2	4	15	-	3
METO1022-1	*Research methodology, Partim théorique* - Michèle GUILLAUME, Benoît PÉTRÉ, Sylvie STREEL, Sandrina VANDENPUT	B1	TA	30	10	-	4
STAT1750-1	*Multivariate statistical analysis* - AnneFrançoise DONNEAU **Prerequisite :** STAT0730-2 - Biostatistique	B2	Q1	15	10	-	3
GEST7056-1	*Human Resources* - Margaux PÈRE	B2	Q2	10	10	-	2
GEST7058-1	*Managing change and innovation* - Michaël PARMENTIER	B2	Q2	10	10	-	2
MMEM0750-1	*Final thesis, including internship*	B2	TA				20
	- *Integrative methodological seminars* - COLLÉGIALITÉ, AnneFrançoise DONNEAU, Benoît PÉTRÉ - [10h SEM]			-	-	[+]	
	- *Final thesis* - Olivier BRUYÈRE, COLLÉGIALITÉ, Benoît PÉTRÉ			-	-	-	
	Prerequisite : METO1022-1 - Méthodologie de la recherche METO1021-1 - Approche critique de l'evidence based public health SANT0740-2 - Introduction générale à la Santé publique STAT0730-2 - Biostatistique METO1033-1 - Préparation au mémoire **Corequisite :** STAT1750-1 - Multivariate statistical analysis						

Optional courses (B1 : 17Cr, B2 : 33Cr)

Choose one option from the following : (B1 : 17Cr, B2 : 3Cr)

Introduction to managing critical patients (B1 : 17Cr, B2 : 3Cr)

		Bl	Or	Th	Pr	Au	Cr
TECH0750-1	*Structural and functional basic elements*	B1	Q2				3
	- *Human physiology / hemostasis and coagulation* - Pierre PETERS,			15	-	-	

	Laurence ROEDIGER							
	- *Biochemistry* - Christel PEQUEUX			15	-	-		
	- *Anatomical approaches* - Pierre BONNET			5	-	-		
SANG0001-1	*Blood products administration - Transfusion* - André GOTHOT	B1	Q2	10	-	-		**1**
TECH0756-1	*Deontological problems and ethics relating to critically-ill patients* - Alexandre GHUYSEN	B1	Q2	10	-	-		**1**
TECH1002-1	*Introduction to substitution* - Rodolphe DURIEUX, JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION	B1	Q2	20	-	-		**3**
REAN0003-1	*Techniques of critical patient monitoring* - Laurence ROEDIGER	B1	Q2	20	-	-		**3**
PHAR1001-1	*Critical patient Pharmacology* - Bernard LAMBERMONT, Marc SENARD - [4h Vis.]	B2	Q1	20	-	[+]		**3**

Students must choose the Introduction to Perfusion course or the Introduction to Intensive and Emergency Care course. (B1 : 6Cr)

Introduction to perfusion (B1 : 6Cr)

TECH0740-1	*Clinical applications and professional practice I* - JeanNoël KOCH, MarcGilbert LAGNY	B1	Q2	30	-	-		**3**
MSTG0740-1	*Clinical placement and the simulation laboratory* - JeanOlivier DEFRAIGNE, JeanNoël KOCH, MarcGilbert LAGNY **Corequisite :** TECH0740-1 - Applications cliniques et pratique professionnelle I	B1	TA	-	-	-		**3**

Introduction to intensive and emergency care (B1 : 6Cr)

URGC0003-1	*Emergencies specialized and transportable services for emergency resuscitation* - Romain BETZ	B1	Q2	30	-	-		**3**
URGC0002-1	*Approach of nursing function specialized in emergencies : sorting systems* - Edmond BRASSEUR, Samuel STIPULANTE, Rebecca TUBES	B1	TA	12	9	-		**3**

settings and methods of acting in public health (B1 : 17Cr, B2 : 3Cr)

SANT4009-1	*Population health* - Romain BETZ, Gilles DARCIS, JeanChristophe PHILIPS - [10h AUTR]	B1	Q1	30	-	[+]		**3**
SANT4008-1	*Social issues and ethics in healthcare* - Florence CAEYMAEX	B1	Q1	20	-	-		**3**
METO1023-1	*Qualitative research methods* - Benoît PÉTRÉ - [25h AUTR] **Corequisite :** METO1022-1 - Méthodologie de la recherche	B1	Q2	25	-	[+]		**3**
SANT4013-1	*Promoting health and its determinants* - Michèle GUILLAUME, Chantal LEVA, Bénédicte MACHIELS, Benoît PÉTRÉ - [10h AUTR] **Corequisite :** SANT0740-2 - Introduction générale à la Santé publique	B1	Q2	30	-	[+]		**3**
SANT4022-1	*Integration seminars in public health* - COLLÉGIALITÉ - [20h AUTR]	B1	Q2	-	-	[+]		**2**
SANT4012-1	*One Health and Integrative Approaches to Health* - Nicolas ANTOINEMOUSSIAUX - [15h AUTR] **Corequisite :** SANT0740-2 - Introduction générale à la Santé publique	B1	Q2	20	-	[+]		**3**
SANT1001-2	*Public health communication principles* - Marianne VON FRENCKELL	B2	Q1	20	10	-		**3**

Choose one focus from the following : (B2 : 30Cr)

Professional focus in the critical patient (B2 : 30Cr)

REAN0002-1	*Pathophysiology of the critical patient*	B2	Q1					**4**
	- *Part I : Cardiovascular pathophysiology* - Paul MASSION,			15	-	-		

Philippe MORIMONT, Sébastien ROBINET

	- Part II : Respiratory pathophysiology - Edmond BRASSEUR			15	-	-	
	- Part III : Renal pathology, hemofiltration and dialysis of critical patient - François JOURET			15	-	-	
URGC0001-1	Practice of simulation with the critical / acute patient - Alexandre GHUYSEN	B2	Q1	5	15	-	**2**
HYGI0001-1	Healthcare-associated infections prevention - Jonathan ALFAGEME GONZALES, MariePierre HAYETTE - [8h Mon. WS]	B2	Q1	12	-	[+]	**2**
SIMU0006-1	Theory of simulation learning and technological modality - Alexandre GHUYSEN	B2	Q1	15	15	-	**3**
TECH1003-1	Critically ill patient surgery	B2	Q1				**3**
	- Introduction to cardiac surgery and perfusion in resuscitation - Quentin DESIRON, Vincent TCHANASATO			15	-	-	
	- Transplantation surgery : cardiopulmonary, kidney-pancreas, liver - Pierre BONNET, Olivier DETRY, JeanPaul SQUIFFLET			15	-	-	
	- Polytraumatized - Romain BETZ			5	-	-	
SIMU0004-1	Research and ethics in simulation - Alexandre GHUYSEN	B2	Q2	6	4	-	**2**

Students will have to choose between the infusion module and the intensive care and emergency module: (B2 : 14Cr)

Perfusion module
(B2 : 14Cr)

TECH0754-1	Clinical applications and professional practice II - Jonathan GOFFOY, JeanNoël KOCH, MarcGilbert LAGNY - [10h SEM] **Prerequisite :** MSTG0740-1 - Stage clinique et au laboratoire de simulation TECH0740-1 - Applications cliniques et pratique professionnelle I	B2	Q1	25	10	[+]	**4**
TECH0753-1	Biocompatibility and biomaterials, fluid dynamics and circulatory modelling - Thomas DESAIVE, JeanNoël KOCH, MarcGilbert LAGNY, Philippe MORIMONT **Prerequisite :** TECH1002-1 - Introduction aux dispositifs de suppléance	B2	Q2	15	5	-	**2**
TECH0752-1	Replacement devices - Jonathan GOFFOY, JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION, Philippe MORIMONT **Prerequisite :** TECH1002-1 - Introduction aux dispositifs de suppléance **Corequisite :** TECH0753-1 - Biocompatibilité et biomatériaux, dynamique des fluides et modélisation circulatoire	B2	Q2	10	-	-	**2**
TECH1001-1	Advanced adult and paediatric cardiac surgery - Xavier DION, Marc RADERMECKER	B2	Q2	20	-	-	**2**
MSTG0752-1	Specific placement in intravenous treatments, including in the simulation laboratory - JeanOlivier DEFRAIGNE, JeanNoël KOCH, MarcGilbert LAGNY **Prerequisite :** MSTG0740-1 - Stage clinique et au laboratoire de simulation TECH0740-1 - Applications cliniques et pratique professionnelle I STAT0730-2 - Biostatistique **Corequisite :** TECH0754-1 - Applications cliniques et pratique professionnelle II	B2	TA	-	-	-	**4**

Intensive and emergency care module
(B2 : 14Cr)

URGC0751-1	Collective emergencies and disaster plans - Romain BETZ	B2	Q1	20	-	-	**2**

Code	Title						
REAN0004-1	*Specialized intensive care unit*	B2	Q1				**3**
	- *Coronary Care Unit* - Patrizio LANCELLOTTI, Mathieu LEMPEREUR			5	-	-	
	- *Management of people who suffer major burns* - Denise JACQUEMIN, AnneFrançoise ROUSSEAU			5	-	-	
	- *Respiratory resuscitation unit* - Bernard LAMBERMONT			5	-	-	
	- *Neuro resuscitation Unit - Stroke units* - Colette FRANSSEN, Julien LY			5	-	-	
	- *Onco resuscitation Unit - Sterile units* - Frédéric BARON, Jo CAERS			5	-	-	
URGC1001-1	*Elements of radioprotection* - Véra PIRLET	B2	Q1	8	-	-	**1**
URGC0754-1	*Resuscitation mother-child* - Patrick EMONTS, Bernard LAMBERMONT, Michelle NISOLLE, Vincent RIGO	B2	Q2	10	5	-	**1**
NUTR0003-1	*Emergency nutrition and nutrition in intensive cares* - Nicolas PAQUOT	B2	Q2	5	-	-	**1**
COMM0006-2	*Communication strategy - difficult conversations*	B2	TA				**2**
	- *Theory and practice in communication*			10	8	-	
	- *Specific module in critically-ill patient* - Alexandre GHUYSEN, Méryl PAQUAY			-	8	-	
COMM0007-2	*Team-working - Management, resources and crises*	B2	TA				**2**
	- *Team working in theory and practice*			10	8	-	
	- *Specific module in critical care* - Alexandre GHUYSEN, Méryl PAQUAY			-	8	-	
MSTG9059-1	*Placement in simulation* - Alexandre GHUYSEN	B2	TA	6	32	-	**2**

Professional focus for public health practitioners (B2 : 30Cr)

Students will have to choose 2 subjects from the following: (B2 : 30Cr)

Subject: Epidemiology and heathcare economics (B2 : 15Cr)

Code	Title						
SANT4014-1	*Health technology assessment and medical-economic evaluation* - Olivier ETHGEN - [10h AUTR]	B2	Q1	20	10	[+]	**4**
EPID2003-1	*Clinical and interventional epidemiology* - Olivier BRUYÈRE	B2	Q1	15	15	-	**3**
METO1024-1	*Advanced methods in the systematic review of literature and meta-analysis* - Olivier BRUYÈRE, Nancy DURIEUX	B2	Q1	15	15	-	**3**
STAT0007-1	*Advanced statistics in epidemiology* - AnneFrançoise DONNEAU	B2	Q2	10	10	-	**2**
EPID2005-1	*Workshops to integrate advanced methods in epidemiology* - Olivier BRUYÈRE - [10h AUTR]	B2	Q2	10	10	[+]	**3**

Subject: Health and environment (B2 : 15Cr)

Code	Title						
SANT4024-1	*Health in socio-ecosystems* - Nicolas ANTOINEMOUSSIAUX	B2	Q2	16	-	-	**2**
PATH3234-1	*Exposure assessment*	B2	Q2				**3**
	- *Introduction to toxicology and ecotoxicology* - Corinne CHARLIER, Catherine PIRARD			8	-	-	
	- *Introduction to health risks of biological origin* - Saadia LASRI, Claude SAEGERMAN			8	-	-	
	- *Introduction to health risks of physical origin* - Dorina RUSU			8	-	-	
COMM0010-1	*Ethics, communication interdisciplinary work*	B2	Q2				**2**
	- *Ethics and communication in environmental health* - Guillaume BERNARD			8	-	-	
	- *Interdisciplinary care* - Catherine DELGUSTE			6	-	-	
LEGI1006-1	*Legislative aspects* - Dorina RUSU	B2	Q2	12	-	-	**2**
PATH3235-1	*Environmental diseases* - JeanLouis CORHAY, Dorina RUSU	B2	Q2	20	-	-	**3**

Code	Title	Block	Quad	Th	Pr	[+]	Cr
MSTG9088-1	*Case study* - Nicolas ANTOINEMOUSSIAUX, Dorina RUSU - [30h Pr.]	B2	Q2	-	-	[+]	3

Subject: Public health nutrition (B2 : 15Cr)

Code	Title	Block	Quad	Th	Pr	[+]	Cr
EPID2004-1	*Nutritional epidemiology* - Michèle GUILLAUME, Axelle HOGE - [10h AUTR]	B2	Q1	20	-	[+]	3
NUTR1005-1	*Current issues in food and health: new knowledge* - Véronique DELCENSERIE, Axelle HOGE, Bénédicte MACHIELS, Souad RAHMOUNI, MarieLouise SCIPPO, Bernard TAMINIAU - [10h AUTR]	B2	Q1	30	-	[+]	4
SOCI9012-1	*Socio-anthropology of nutrition* - Elsa MESCOLI	B2	Q1	14	6	-	2
NUTR1006-1	*Research into action and nutrition in public health* - Nicolas ANTOINEMOUSSIAUX, Axelle HOGE, Denis PORIGNON	B2	Q2	30	10	-	4
NUTR1007-1	*Food security* - Antoine CLINQUART, Véronique DELCENSERIE, MarieLouise SCIPPO	B2	Q2	14	6	-	2

Subject: Health promotion (B2 : 15Cr)

Code	Title	Block	Quad	Th	Pr	[+]	Cr
PSYC1054-1	*Pycology and Health* - AnneMarie ETIENNE	B2	Q1	30	-	-	2
PEDA4060-1	*Health education and communication* - Benoît PÉTRÉ - [15h AUTR]	B2	Q1	15	-	[+]	3
SANT0013-1	*Strategies of fight against social inequalities in health* - Florence CAEYMAEX, Michèle GUILLAUME, Benoît PÉTRÉ - [20h AUTR]	B2	Q1	10	-	[+]	3
SANT4015-1	*Evaluation of health promotion programmes* - Elisabeth PAUL, Denis PORIGNON - [10h AUTR]	B2	Q1	10	-	[+]	2
SANT0012-1	*Promotion of health programs engineering* - Chantal LEVA - [20h AUTR]	B2	Q2	10	-	[+]	3
PSYC5894-2	*Change of behaviour and social influence* - Benoît DARDENNE	B2	Q2	30	-	-	2

Subject: Management of healthcare organisations (B2 : 15Cr)

Code	Title	Block	Quad	Th	Pr	[+]	Cr
GEST7059-1	*Operational management in healthcare organisations* - Véronique FRANÇOIS, Pierre GILLET	B2	Q1	20	15	-	4
GEST7060-1	*Financial aspects (analytical approach)* - Vincent COMPAGNIE	B2	Q1	25	10	-	4
SANT4019-1	*Digital transition in the field of healthcare* - Nicolas NEYSEN	B2	Q2	25	10	-	4
GEST7061-1	*Soft skills workshops* - David HOMBURG - [40h AUTR]	B2	TA	5	-	[+]	3

Subject: international health (B2 : 15Cr)

Code	Title	Block	Quad	Th	Pr	[+]	Cr
SANT4016-1	*Framework concepts for actors in international health* - Nicolas ANTOINEMOUSSIAUX, Alain COHEUR, Denis PORIGNON - [5h AUTR]	B2	Q1	15	-	[+]	2
SANT4017-1	*Health system governance and funding* - Alain COHEUR, Denis PORIGNON - [15h AUTR]	B2	Q1	30	-	[+]	4
SANT4018-1	*Planning, monitoring and evaluating health policies and programmes* - Nicolas ANTOINEMOUSSIAUX, Elisabeth PAUL, Denis PORIGNON - [15h AUTR]	B2	Q1	20	-	[+]	3
SANT4020-1	*Global change and health* - Nicolas ANTOINEMOUSSIAUX, Pierre OZER - [5h AUTR]	B2	Q2	15	-	[+]	2
SANT4023-1	*Multiculturalism and health* - Nicolas ANTOINEMOUSSIAUX, Oriane BODSON - [5h AUTR]	B2	Q2	15	-	[+]	2
SANT4021-1	*Integrative exercise on a question of international health* - Nicolas ANTOINEMOUSSIAUX, Alain COHEUR, Pierre OZER, Denis PORIGNON - [35h AUTR]	B2	Q2	5	-	[+]	2

Additional ECTS Master in public health (120 ECTS)

Compulsory courses (B0 : 6Cr)

All students who do not have direct access to the Master of Science in Public Health will, as part of their curriculum, for a total of six compulsory credits, have the following courses:

INFO1001-1	*Introduction to the use of computer tools* - Nathalie CAVAN, Eddy HUSSON	B0	Q1	10	10	-		**2**
LANG1002-1	*English applied to Public Health* (english language) - Jérôme GAILLARD, Martin POLSON - [10h Mon. Read.]	B0	Q2	10	10	[+]	**2**
PHIL0110-1	*Epistemology of Health Sciences* - Vinciane DESPRET	B0	Q2	15	-	-		**2**

Optional courses (B0 : 23Cr)

In addition to these compulsory courses in Block 0, students who hold the academic qualification of specialised Bachelors, Bachelor "nurse responsible for general treatment", "mid-wife" Bachelors or who have validated their experience, may complete their curriculum with courses from Block 0, chosen for a maximum of 9 credits.

In addition to these compulsory courses in Block 0, students who hold the academic qualification of Bachelors must complete the curriculum with courses from Block 0, chosen for a minimum of nine credits and a maximum of 23 credits.

These choices are subject to approval by the Jury of the Masters in Public Health Sciences. Courses with options may not cover subjects the student has already covered in their course and requests for exemptions cannot be made.

PSYC0520-1	*Introduction to health psychology* - Aurélie WAGENER	B0	Q1	15	-	-	**2**
SANT0724-1	*Introduction to Mental Health* - JeanMarc TRIFFAUX	B0	Q1	15	-	-	**2**
BIOC0700-1	*Human Biochemistry* - Christel PEQUEUX	B0	Q1	15	-	-	**2**
MICR0712-2	*Microbiology, elements of virology and transmissible diseases* - MariePierre HAYETTE, Nathalie JACOBS	B0	Q1	20	-	-	**2**
SANT0710-1	*Health of children and teenagers* - AnneSimone PARENT	B0	Q2	20	-	-	**2**
SOCI0154-1	*Introduction to sociology* - JeanFrançois ORIANNE	B0	Q2	15	-	-	**2**
ECON0610-3	(pas organisé en 2023-2024) *Introduction to political economy, Theory* - HenryJean GATHON	B0	Q2	30	-	-	**3**
ANTH0001-1	*Social and cultural anthropology 1* - Benjamin RUBBERS	B0	Q2	30	-	-	**5**
PSYC0017-1	*Social psychology* - Benoît DARDENNE	B0	Q2	30	-	-	**3**