

Block view of the study programme

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Block 1

Compulsory courses

SANT0740-2	<i>General introduction to public health</i> - Michèle GUILLAUME - [10h Mon. WS]	Q1	30	-	[+]	4
STAT0730-2	<i>Biostatistics</i> - <i>Biostatistics</i> - AnneFrançoise DONNEAU - <i>Statistical analysis software</i> - AnneFrançoise DONNEAU, Philippe KOLH	Q1	30 5	- 25	-	5
METO1021-1	<i>Critical approach to evidence based public health</i> - Olivier BRUYÈRE, Nancy DURIEUX - [10h AUTR]	Q1	20	20	[+]	5
ECON2304-1	<i>Organisational and economic aspects of health systems</i> - Benoît COLLIN, Fabienne FECHERBOURGEOIS, Yolande HUSDEN, Denis PORIGNON - [10h AUTR]	Q1	40	-	[+]	5
LEGI1005-1	<i>Law, legislation and regulations in the healthcare sector</i> - Quentin DETIENNE, Gilles GENICOT, Pierre GILLET - [15h AUTR]	Q1	35	10	[+]	5
SANT4011-1	<i>Epidemiology</i> - Olivier BRUYÈRE, JeanYves REGINSTER, Justine SLOMIAN Corequisite : STAT0730-2 - Biostatistique	Q2	30	15	-	4
SANT4010-1	<i>Analysis of public health actions</i> - Nathan CHARLIER, Catherine FALLON, Aline THIRY - [10h AUTR]	Q2	30	-	[+]	4
GEST7057-1	<i>Strategic management of health organisations</i> - Pierre GILLET, Nicolas NEYSEN	Q2	20	15	-	4
METO1033-1	<i>Preparing the dissertation</i> - COLLÉGIALITÉ, Axelle HOGE, Benoît PÉTRÉ Corequisite : METO1022-1 - Méthodologie de la recherche	Q2	4	15	-	3
METO1022-1	<i>Research methodology, Partim théorique</i> - Michèle GUILLAUME, Benoît PÉTRÉ, Sylvie STREEL, Sandrina VANDENPUT	TA	30	10	-	4

Optional courses

Choose one option from the following :

Introduction to managing critical patients

TECH0750-1	<i>Structural and functional basic elements</i> - <i>Human physiology / hemostasis and coagulation</i> - Pierre PETERS, Laurence ROEDIGER - <i>Biochemistry</i> - Christel PEQUEUX - <i>Anatomical approaches</i> - Pierre BONNET	Q2	15 15 5	- - -	-	3
SANG0001-1	<i>Blood products administration - Transfusion</i> - André GOTHOT	Q2	10	-	-	1
TECH0756-1	<i>Deontological problems and ethics relating to critically-ill patients</i> - Alexandre GHUYSEN	Q2	10	-	-	1
TECH1002-1	<i>Introduction to substitution</i> - Rodolphe DURIEUX, Aloïs GENETTE, JeanNoël KOCH, MarcGilbert LAGNY, Paul MASSION	Q2	20	-	-	3
REAN0003-1	<i>Techniques of critical patient monitoring</i> - Laurence ROEDIGER	Q2	20	-	-	3

Students must choose the Introduction to Perfusion course or the Introduction to Intensive and Emergency Care course.

Introduction to perfusion

TECH0740-1	<i>Clinical applications and professional practice I</i> - JeanNoël KOCH, MarcGilbert LAGNY	Q2	30	-	-	3
MSTG0740-1	<i>Clinical placement and the simulation laboratory</i> - JeanOlivier DEFRAIGNE, JeanNoël KOCH, MarcGilbert LAGNY	TA	-	-	-	3

Corequisite :

TECH0740-1 - Applications cliniques et pratique professionnelle I

Introduction to intensive and emergency care

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

settings and methods of acting in public health

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

Block 2

Compulsory courses

STAT1750-1	<i>Multivariate statistical analysis</i> - AnneFrançoise DONNEAU Prerequisite : STAT0730-2 - Biostatistique	Q1	15	10	-	3
GEST7056-1	<i>Human Resources</i> - Margaux PÈRE	Q2	10	10	-	2
GEST7058-1	<i>Managing change and innovation</i> - Frédéric NAEDENOEN	Q2	10	10	-	2
MMEM0750-1	<i>Final thesis, including internship</i> - <i>Integrative methodological seminars</i> - COLLÉGIALITÉ, AnneFrançoise DONNEAU, Benoît PÉTRÉ - [10h SEM] - <i>Final thesis</i> - 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	TA	-	-	[+]	20

Optional courses

Choose one option from the following :

Introduction to managing critical patients

PHAR1001-1	<i>Critical patient Pharmacology</i> - Benoît MISSET, Marc SENARD - [4h Vis.]	Q1	20	-	[+]	3
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settings and methods of acting in public health

SANT1001-2	<i>Public health communication principles</i> - Marianne VON FRENCKELL	Q1	20	10	-	3
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Choose one focus from the following :

Professional focus in the critical patient

REAN0002-1	<i>Pathophysiology of the critical patient</i> - Part I : Cardiovascular pathophysiology - Paul MASSION, Philippe MORIMONT, Sébastien ROBINET - Part II : Respiratory pathophysiology - Edmond BRASSEUR - Part III : Renal pathology, hemofiltration and dialysis of critical patient - François JOURET	Q1	15	-	-	4
URGC0001-1	<i>Practice of simulation with the critical / acute patient</i> - Alexandre GHUYSEN	Q1	5	15	-	2
HYGI0001-1	<i>Healthcare-associated infections prevention</i> - Jonathan ALFAGEME GONZALES, MariePierre HAYETTE - [8h Mon. WS]	Q1	12	-	[+]	2
SIMU0006-1	<i>Theory of simulation learning and technological modality</i> - Nadège DUBOIS, Alexandre GHUYSEN	Q1	15	15	-	3
TECH1003-1	<i>Critically ill patient surgery</i> - Introduction to cardiac surgery and perfusion in resuscitation - Quentin DESIRON, Vincent TCHANASATO - Transplantation surgery : cardiopulmonary, kidney-pancreas, liver - Pierre BONNET, Olivier DETRY, JeanPaul SQUIFFLET - Polytraumatized - Romain BETZ	Q1	15	-	-	3
SIMU0004-1	<i>Research and ethics in simulation</i> - Alexandre GHUYSEN	Q2	6	4	-	2

Students will have to choose between the infusion module and the intensive care and emergency module:

Perfusion module

TECH0754-1	<i>Clinical applications and professional practice II</i> - 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	Q1	25	10	[+]	4
TECH0753-1	<i>Biocompatibility and biomaterials, fluid dynamics and circulatory modelling</i> - Thomas DESAIVE, JeanNoël KOCH, MarcGilbert LAGNY, Philippe MORIMONT Prerequisite : TECH1002-1 - Introduction aux dispositifs de suppléance	Q2	15	5	-	2
TECH0752-1	<i>Replacement devices</i> - 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 circulaire	Q2	10	-	-	2
TECH1001-1	<i>Advanced adult and paediatric cardiac surgery</i> - Xavier DION, Marc RADERMECKER	Q2	20	-	-	2
MSTG0752-1	<i>Specific placement in intravenous treatments, including in the simulation laboratory</i> - 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	TA	-	-	-	4

Intensive and emergency care module

URGC0751-1	<i>Collective emergencies and disaster plans</i> - Romain BETZ	Q1	20	-	-	2
REAN0004-1	<i>Specialized intensive care unit</i> - <i>Coronary Care Unit</i> - Patrizio LANCELLOTTI, Mathieu LEMPEREUR - <i>Management of people who suffer major burns</i> - Denise JACQUEMIN, AnneFrançoise ROUSSEAU - <i>Respiratory resuscitation unit</i> - Bernard LAMBERMONT - <i>Neuro resuscitation Unit - Stroke units</i> - Colette FRANSSSEN, Julien LY - <i>Onco resuscitation Unit - Sterile units</i> - Frédéric BARON, Yves BEGUIN	Q1	5	-	-	3
URGC1001-1	<i>Elements of radioprotection</i> - Véra PIRLET	Q1	8	-	-	1
URGC0754-1	<i>Resuscitation mother-child</i> - Patrick EMONTS, Benoît MISSET, Michelle NISOLLE, Vincent RIGO	Q2	10	5	-	1
NUTR0003-1	<i>Emergency nutrition and nutrition in intensive cares</i> - Nicolas PAQUOT	Q2	5	-	-	1
COMM0006-2	<i>Communication strategy - difficult conversations</i> - <i>Theory and practice in communication</i> - Alexandre GHUYSEN, Méryl PAQUAY - <i>Specific module in critically-ill patient</i> - Alexandre GHUYSEN, Méryl PAQUAY	TA	10	8	-	2
COMM0007-2	<i>Team-working - Management, resources and crises</i> - <i>Team working in theory and practice</i> - Alexandre GHUYSEN, Méryl PAQUAY - <i>Specific module in critical care</i> - Alexandre GHUYSEN, Méryl PAQUAY	TA	10	8	-	2
MSTG9059-1	<i>Placement in simulation</i> - Alexandre GHUYSEN	TA	6	32	-	2

Professional focus for public health practitioners

Students will have to choose 2 subjects from the following:

Subject: Epidemiology and healthcare economics

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

Subject: Health and environment

SANT4024-1	<i>Health in socio-ecosystems</i> - <i>The EcoHealth concept</i> - Nicolas ANTOINEMOUSSIAUX - <i>The system thinking</i> - Nicolas ANTOINEMOUSSIAUX	Q2	8	-	-	2
PATH3234-1	<i>Exposure assessment</i> - <i>Introduction to toxicology and ecotoxicology</i> - Corinne CHARLIER, Catherine PIRARD - <i>Introduction to health risks of biological origin</i> - Saadia LASRI, Claude SAEGERMAN - <i>Introduction to health risks of physical origin</i> - Dorina RUSU	Q2	8	-	-	3
COMM0010-1	<i>Ethics, communication interdisciplinary work</i>	Q2				2

	- <i>Ethics and communication in environmental health</i> - Jacinthe DANCOT	8	-	-	
	- <i>Interdisciplinary care</i> - Catherine DELGUSTE	6	-	-	
LEGI1006-1	<i>Legislative aspects</i> - Dorina RUSU	Q2 12	-	-	2
PATH3235-1	<i>Environmental diseases</i> - JeanLouis CORHAY, Dorina RUSU	Q2 20	-	-	3
MSTG9088-1	<i>Case study</i> - Nicolas ANTOINEMOUSSIAUX, Dorina RUSU - [30h Pr.]	Q2 -	-	[+]	3
Subject: Public health nutrition					
EPID2004-1	<i>Nutritional epidemiology</i> - Michèle GUILLAUME, Axelle HOGE - [10h AUTR]	Q1 20	-	[+]	3
NUTR1005-1	<i>Current issues in food and health: new knowledge</i> - Véronique DELCENSERIE, Axelle HOGE, Bénédicte MACHIELS, Souad RAHMOUNI, MarieLouise SCIPPO, Bernard TAMINIAU - [10h AUTR]	Q1 30	-	[+]	4
SOCI9012-1	<i>Socio-anthropology of nutrition</i> - Elsa MESCOLI	Q1 15	5	-	2
NUTR1006-1	<i>Research into action and nutrition in public health</i> - Nicolas ANTOINEMOUSSIAUX, Axelle HOGE, Denis PORIGNON	Q2 30	10	-	4
NUTR1007-1	<i>Food security</i> - Antoine CLINQUART, Véronique DELCENSERIE, MarieLouise SCIPPO	Q2 15	5	-	2
Subject: Health promotion					
PSYC1054-1	<i>Psychology and Health</i> - AnneMarie ETIENNE	Q1 30	-	-	2
PEDA4060-1	<i>Teaching and communication in health</i> - Benoît PÉTRÉ - [15h AUTR]	Q1 15	-	[+]	3
SANT0013-1	<i>Strategies of fight against social inequalities in health and health literacy</i> - Florence CAEYMAEX, Michèle GUILLAUME, Benoît PÉTRÉ - [20h AUTR]	Q1 10	-	[+]	3
SANT4015-1	<i>Evaluation of health promotion programmes</i> - Denis PORIGNON - [10h AUTR]	Q1 10	-	[+]	2
SANT0012-1	<i>Promotion of health programs engineering</i> - Chantal LEVA - [20h AUTR]	Q2 10	-	[+]	3
PSYC5894-2	<i>Change of behaviour and social influence</i> - Benoît DARDENNE	Q2 30	-	-	2
Subject: Management of healthcare organisations					
GEST7059-1	<i>Operational management in healthcare organisations</i> - Véronique FRANÇOIS, Pierre GILLET	Q1 20	15	-	4
GEST7060-1	<i>Financial aspects (analytical approach)</i> - Laurent CAMPIONI, Vincent COMPAGNIE, Pierre GILLET	Q1 25	10	-	4
SANT4019-1	<i>Digital transition in the field of healthcare</i> - Nicolas NEYSEN	Q2 25	10	-	4
GEST7061-1	<i>Soft skills workshops</i> - David HOMBURG - [40h AUTR]	TA 5	-	[+]	3
Subject: international health					
SANT4016-1	<i>Framework concepts for actors in international health</i> - Nicolas ANTOINEMOUSSIAUX, Alain COHEUR, Denis PORIGNON - [5h AUTR]	Q1 15	-	[+]	2
SANT4017-1	<i>Health system governance and funding</i> - Alain COHEUR, Denis PORIGNON - [15h AUTR]	Q1 30	-	[+]	4
SANT4018-1	<i>Planning, monitoring and evaluating health policies and programmes</i> - Nicolas ANTOINEMOUSSIAUX, Denis PORIGNON - [15h AUTR]	Q1 20	-	[+]	3
SANT4020-1	<i>Global change and health</i> - Nicolas ANTOINEMOUSSIAUX, Pierre OZER - [5h AUTR]	Q2 15	-	[+]	2

SANT4023-1	<i>Multiculturalism and health</i> - Elsa MESCOLI - [5h AUTR]	Q2	15	-	[+]	2
SANT4021-1	<i>Integrative exercise on a question of international health</i> - Nicolas ANTOINEMOUSSIAUX, Alain COHEUR, Elsa MESCOLI, Pierre OZER, Denis PORIGNON - [35h AUTR]	Q2	5	-	[+]	2

Bloc d'aménagement du programme de l'année

Additional ECTS Master in public health (120 ECTS)

Compulsory courses

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	<i>Introduction to the use of computer tools</i> - Nathalie CAVAN, Eddy HUSSON	Q1	10	10	-	2
LANG1002-1	<i>English applied to Public Health</i> - Jérôme GAILLARD, Martin POLSON - [10h Mon. Read.]	Q2	10	10	[+]	2
PHIL0110-1	<i>Epistemology of Health Sciences</i> - Vinciane DESPRET	Q2	15	-	-	2

Optional courses

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 nine 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	<i>Introduction to health psychology</i> - AnneMarie ETIENNE, Aurélié WAGENER	Q1	15	-	-	2
SANT0724-1	<i>Introduction to Mental Health</i> - JeanMarc TRIFFAUX	Q1	15	-	-	2
BIOC0700-1	<i>Human Biochemistry</i> - Christel PEQUEUX	Q1	15	-	-	2
MICR0712-2	<i>Microbiology, elements of virology and transmissible diseases</i> - MariePierre HAYETTE, Nathalie JACOBS	Q1	20	-	-	2
SANT0710-1	<i>Health of children and teenagers</i> - AnneSimone PARENT	Q2	20	-	-	2
SOCI0154-1	<i>Introduction to sociology</i> - JeanFrançois ORIANNE - Suppl : Nicolas JACQUET	Q2	15	-	-	2
ECON0610-3	(pas organisé en 2022-2023) <i>Introduction to political economy, Theory</i> - HenryJean GATHON	Q2	30	-	-	3
ANTH0001-1	<i>Social and cultural anthropology I</i> - Benjamin RUBBERS	Q2	30	-	-	5
PSYC0017-1	<i>Social psychology</i> - Benoît DARDENNE	Q2	30	-	-	3