

## Block view of the study programme

Or Th Pr Au Cr

### Informations complémentaires

#### Information

Cardio-vascular surgery

Building B35 - CHU - 4000 Liège

Secretary's office : Ms Catarina AMORMINO

Phone : 04/366.71.63 ou 64

Perfusion : Ms Francine BLAFFART

Phone : +32(0)04/366.81.32

#### Presentation

##### History of the course:

- \* 1994: Creation in Belgium, at the University of Liege (ULg) and the Catholic University of Louvain (KUL), of an official training course for perfusionists
- \* 1999: Accreditation of the 2 Belgian schools by the European Board of Cardiovascular Perfusion (EBCP)
- \* 2004: Decision by the two universities to standardise the programmes and to enlarge the training to fields requiring specific paramedical skills.

At the end of this course, students will be able to use a cardiopulmonary bypass pump in heart surgery or other types of surgery, any CPB for therapeutic purposes, such as circulatory or respiratory support systems, chemotherapy, etc. Students will be able to perform all autotransfusion techniques and perform any technical act requiring a particular technical skill for which they will have been trained.

#### Special conditions of access / students concerned

This course is designed for students holding a Bachelors degree in Nursing.

The persons who are interested are invited to take contact with the person responsible for the training in order to consider their application.

#### Duration of the training

The training is split into two years of study (60 credits overall for the course).

In the first year, lectures are taught in alternation with internships within the institution.

In the second year, as well as attending the lectures, students must do 120 h of internship, either in the institution, or in a centre approved by the university and by the EBCP.

#### Courses programme

##### Teaching Collegiality

Coordinators : Jean-Olivier DEFRAIGNE, Francine BLAFFART

Members : Jean-Marie KRZESINSKI, Pierre BONNET, Quentin DESIRON, Etienne CREEMERS, Marc RADERMECKER, Dominique HELLA, Robert LARBUISSON, Thomas DESAIVE, Pierre PEETERS, Paul MASSION, Alexandre GHUYSEN, Yvan HUON, Rodolphe DURIEUX, Philippe MORIMONT, Bernard DUBOIS, Marc LAGNY, Dominique THIRY, Jacques MUTSERS et Théophile AMAND.

### Block 1

#### Compulsory courses

TECH0756-1	<i>Deontological problems and ethics relating to critically-ill patients</i> - Pierre DAMAS, MarieElisabeth FAYMONVILLE	Q2	10	-	-	2
TECH1002-1	<i>Introduction to substitution devices, including ECMO and hemofiltration devices</i> - Théophile AMAND, Francine BLAFFART, Rodolphe DURIEUX, Dominique HELLA, Marc LAGNY, Paul MASSION	Q2	10	10	-	2
TECH0740-1	<i>Clinical applications and professional practice I</i> - Francine BLAFFART, Dominique HELLA, JeanNoël KOCH, Marc LAGNY - [10h SEM]	Q2	10	10	[+]	3
TECH0750-1	<i>Biochemistry and human physiology / hemostasis and coagulation</i> - JeanOlivier DEFRAIGNE, Alexandre GHUYSEN, Christel PEQUEUX, Pierre PETERS	Q2	20	-	-	4
MSTG0740-1	<i>Placement in operating theatre</i> - JeanOlivier DEFRAIGNE	TA	-	-	-	3
MMEM9008-1	<i>Final thesis, 1st year</i> - COLLÉGIALITÉ	-	-	-	-	10

### Block 2

#### Compulsory courses

TECH0752-1	<i>Replacement devices</i> - Théophile AMAND, Francine BLAFFART, Rodolphe DURIEUX, Dominique HELLA, Marc LAGNY, Paul MASSION,	Q2	10	10	-	2
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Philippe MORIMONT, Philippe MORIMONT

TECH0753-1	<i>Biocompatibility and biomaterials, fluid dynamics and circulatory modelling</i> - JeanOlivier DEFRAIGNE, Thomas DESAIVE, Philippe MORIMONT	Q2	15	-	-	<b>2</b>
TECH0754-1	<i>Clinical applications and professional practice II</i> - Théophile AMAND, Francine BLAFFART, Dominique HELLA - [10h SEM]	Q1	10	10	[+]	<b>3</b>
PHAR1001-2	<i>Critical patient Pharmacology</i> - Grégory HANS, MarieBernard HUBERT, Yvan HUON, Laurence ROEDIGER, Marc SENARD, Thierry VAN HEES - [4h Vis.]	Q1	40	-	[+]	<b>2</b>
TECH1001-1	<i>Advanced adult and paediatric Cardiac surgery</i> - Pierre BONNET, Etienne CREEMERS, Marc RADERMECKER, Dominique THIRY	Q2	15	5	-	<b>2</b>
REAN0002-1	<i>Pathophysiology of the critical patient</i> - Part I: Cardiovascular Pathophysiology - Alexandre GHUYSEN - Part II: Respiratory Pathophysiology - Pierre DAMAS - Part III: Renal Pathology, hemofiltration and dialysis of critical patient - JeanMarie KRZESINSKI	Q1				<b>6</b>
			20	-	-	
			20	-	-	
			20	-	-	
TECH1003-1	<i>Critically ill patient surgery</i> - Introduction to cardiac surgery and perfusion in resuscitation - Etienne CREEMERS, Marc RADERMECKER - Transplantation surgery : cardiopulmonary, kidney-pancreas, liver - Pierre BONNET, Olivier DETRY, Marc RADERMECKER, JeanPaul SQUIFFLET - Polytraumatized - Romain BETZ	Q1				<b>3</b>
			15	-	-	
			15	-	-	
			5	-	-	
TECH0751-1	<i>Anaesthesia and pharmacological resuscitation applied to the CEC</i> - Grégory HANS, MarieBernard HUBERT, Laurence ROEDIGER, Marc SENARD	Q1	20	20	-	<b>3</b>
MSTG0752-1	<i>Specific course on intravenous drips</i> - JeanOlivier DEFRAIGNE	TA	-	-	-	<b>3</b>
MMEM0750-1	<i>Final thesis, including internship</i> - Integrative methodological seminars - Olivier BRUYÈRE, Jacinthe DANCOT, AnneFrançoise DONNEAU, Alexandre GHUYSEN, Pierre GILLET, Michèle GUILLAUME, Sylvie STREEL - [10h SEM] - Final thesis - Olivier BRUYÈRE, Jacinthe DANCOT, Alexandre GHUYSEN, Pierre GILLET, Michèle GUILLAUME	TA				<b>10</b>
			-	-	[+]	
			-	-	-	

#### Assessment

At the end of each year, students will sit written or oral exams at the end of June. A second session is scheduled in September. At the end of the second year, students should also present a final dissertation. If required, this work may be postponed upon written request to the Dean of the Faculty of Medicine.

#### Registration

Where? : ULg lifelong learning unit.

Documents to be presented : Dean's authorisation for enrolment

Enrolment fees : Certificate rate