

## Faculty of Medicine



### DENT1BA Baccalauréat en sciences dentaires (Bachelor of Dental Sciences)



#### Study objectives

Dental medicine is a medical profession which involves treating patients and employing precision techniques. The training programme of the future dentist is therefore organised in the form of a bachelor's which ensures the acquisition of the human skills and techniques necessary for embarking on the master's of Dental Science, principally dedicated to practical clinical work experience (where each student treats his own patients). Concretely speaking, the training offered by the bachelor's programme aims at the acquisition of the skills essential for the future practice of dentistry, by integrating training in the basic sciences with elementary notions in Human and Medical Sciences. In addition, practical specialised training sessions are organised with the aim of mobilising the knowledge acquired from the theoretical sessions and of developing the manual dexterity of the student.

#### General presentation of the programme

The bachelor's of Dental Science represents 180 credits : a basic training course of 60 credits (1st year) and a specialised training course of 120 credits (2nd and 3rd year).

The first year of the bachelor's provides a basic grounding in the fundamental scientific disciplines. It is, to a large extent, common to the other training courses in Health Science. The scientific studies from the 2nd and 3rd years on, aim at the acquisition of knowledge indispensable for the comprehension of human physiopathology and more particularly in the oro-facial sphere, by integrating fundamental clinical subject areas. From the beginning of the second year, an introduction to Dental Sciences is followed by clinical sessions and specific practical tasks.

#### Special programme organisation

The 1st year study cycle in Medicine and in Dental Sciences is structured in two parts : the first part is the so-called "orientation," selection year, comprising 60 credits ; the second part comprises 120 credits.

#### Principal Subjects

##### 1st year course content

General and Organic Chemistry - Experimental Physics - General Biology - Cytology and Histology - Philosophy - General Functional Anatomy - Dental Anatomy - English.

##### 2nd and 3rd year course content

Biochemistry - Physiology - Cellular Biology- Microbiology - Immunology - Psychology - Histology - Embryology - Head and Neck Anatomy - English - Work experience.

Physiopathology - Pathological Anatomy - Pharmacology - Microbiology - Dental Surgery - Endodontology - Prosthetics - Surgical Pathologies - Parodontology - Radiology - Prevention - Epidemiology - Professional Organisation and Ergonomics.

#### Evaluation

##### Special procedures for the first year of studies - selection year.

During the course of the first study year, the course activities are evaluated in accordance with the reglementation of the decree relating to the studies in Medicine and Dentistry.

##### Principles, particularly relating to the selected classification of students :

- The 1st year study cycle in Medicine and in Dental Sciences is structured in two parts : the first part is the so-called "orientation," selection part, comprising 60 credits ; the second part comprises 120 credits.
- Access to the second part is subject to passing the orientation or selection tests.
- The selection classifications carried out at the end of these tests include 80% (55 credits) of academic tests and 20% (5 credits) of specific "transversal" tests aimed at evaluating the student's capacities to practise the profession of doctor or dentist (capacities to understand, summarise and communicate information, successfully apply his knowledge to solve situations necessitating transdisciplinary knowledge and know-how).
- During the course of the first study year, the results obtained during the various oral exercises organised during the year as well as the January exam session, will only serve as an indication and will not give rise to any results valid for the ensuing sessions of the study year.
- An initial selection classification list will be established at the end of the June session and, in the case of further places available, a second classification list will be established at the end of the September session.

- Successfully classified candidates will receive a special attestation entitling them access to the 2nd part of the 1st cycle.
- Students who obtain the 60 credits during the course of the first year but who do not obtain the attestation may be admitted to the second year of studies of a cycle which is not structured in two parts (Biomedical Sciences, Pharmacy, Biology, etc.). They may likewise recommence their study year once without being able to benefit from any marks already obtained.
- Students who have not managed to attain the 60 credits, may recommence their year once without being able to benefit from any marks already obtained ; they may also reorient their studies, thus benefitting from any marks (even credits) already obtained, towards another cursus whose 1st cycle is not structured in two parts (Biomedical Sciences, Pharmacy, Biology, etc.).

### **Evaluation procedures as from the second year of studies**

The course content and activities are evaluated in accordance with the prevailing rules and regulations of the University (c.f. exam reglementation). Exams are organised at the end of the session periods (January, June) as well as in September. The practical tasks and work experience are likewise evaluated in the form of ongoing evaluation.

### **Admission to the programme**

#### **Warning**

Access to the studies in Medecine or Dental Sciences is open to holders of a certificate in secondary education.

The Federal State has introduced a limit to the possible number of new doctors or dentists able to practise in the context of the AMI (sickness and invalidity insurance). This limitation has been effective since September 2004 for Medecine and since 2002 for Dental Sciences. In order to respond to these quotas, the Faculties of Medecine are duly obliged to establish a selection procedure for their students.

A decree formalising the selection of students, in each university, as from the 1st year of the first study cycle in Medecine and in Dental Sciences was approved by the Parliament of the French-speaking Community of Belgium on 21st June, 2005 and appeared in the "moniteur belge" (Belgian Monitor) on 30th August, 2005.

Only those students selected will receive an attestation allowing them to pass from the 1st to the 2nd cycle of studies in Medecine or in Dental Sciences.

*c.f. point on "Evaluation", below*

### **Positioning of the programme**

#### **Positioning of the programme within the University cursus**

The bachelor's degree entitles access to the master's of Dental Science, without the need for any complementary prerequisites. Furthermore, there is sufficient homogeneity in the programme offered by the different Schools of the Faculty of Medecine (MED, FARM, DENT, SBIM, IEPR) to allow for course re-orientation during, or at the end of the first year of the bachelor's, subject to additional complementary courses.

### **Useful contacts**

#### **Programme management**

MDEN Ecole de médecine dentaire et de stomatologie

Academic Supervisor : Professeur Christian Vanzeveren (President of theEMDS)

Contact person : Administration Manager : Mme Marie-France Zabus - Mme Martine Frère

#### **Presidents and Secretaries of the Exam Juries (2004-2005)**

##### **Bac 1:**

President of the jury : Professeur M.C. Many

Secretary of the jury: Professeur P. Depovere

##### **Bac 2:**

President of the jury: Professeur M. Delmée

Secretary of the jury: Professeur G. Leloup

##### **Bac 3:**

President of the jury: Professeur J. Vreven

Secretary of the jury: Professeur J. Grimonster

#### **Study Advisor**

The Study advisor assists the student in the elaboration of his study programme in accordance with his previous studies and personal ambitions.

Study Advisor : Véronique Godin (Tél. 027645078 - 7257, godin@pedm.ucl.ac.be, Centre faculté -1).

### **Detailed content of standard programme**

DENT 11BA First year of studies

**Foundation studies (60 credits)****Physics module**

MD1001 Experimental physics and mathematical introduction to experimental sciences (1st part)[60h+18.5h] (8 credits) (in French) Bernard Piraux

MD1002 Experimental physics and mathematical introduction to experimental sciences (2nd part)[30h+21h] (5 credits) (in French) Bernard Piraux

**Chemistry module**

MD1003 Mineral and general chemistry[60h+28h] (8 credits) (in French) Paul Depovere, Claude Ronneau

MD1004 Organic Chemistry[60h+30h] (9 credits) (in French) Paul Depovere, Jacques Fastrez, Jean-Philippe Soumilion (coord.)

**Biology module**

MD1005 Biologie générale[65h+25h] (9 credits) (in French) Jean Baptiste Demoulin, Marie-Christine Many, Philippe van den Bosch Sanchez de Aguilar

MD1006 Cytology and general histology[10h+40h] (5 credits) (in French) Jean-François Deneff, Marie-Christine Many (supplée Jean-François Deneff)

MD1007 General, systemic and functional anatomy[45h] (5 credits) (in French) Benoît Lengelé

**Human sciences module**

MED1111 Philosophie[30h] (3 credits) (in French) N.

**Specific Dental Sciences module**

DENT1121 Anatomie dentaire[15h+45h] (3 credits) (in French) Jean-Pierre Van Nieuwenhuysen, José Vreven

**Transversal module**

MD1009 Approche transdisciplinaire de problèmes bio-médicaux[25h+13h] (5 credits) (in French) Jean Baptiste Demoulin, Jacques Fastrez, Bernard Feltz, Véronique Godin (coord.), Gaëtane Leloup, Marie-Christine Many, Bernard Piraux, Claude Ronneau, Philippe van den Bosch Sanchez de Aguilar

To complement the lectures and practical exercises or supervised work tasks of the Physics, Chemistry and Biology courses, the lecturers assume complementary support activities in small groups which provides extra help for the student in his studies of the subject matter. The student is encouraged to participate in these activities in accordance with his learning needs.

MD1011 Activités d'encadrement complémentaire en physique (par séries)[12h] (in French) Bernard Mahieu, Bernard Piraux

MD1013 Activités d'encadrement complémentaire en chimie générale et minérale (par séries)[12h] (in French) Paul Depovere, Daniel Peeters, Claude Ronneau, Etienne Sonveaux (coord.)

MD1014 Activités d'encadrement complémentaire en chimie organique (par séries)[12h] (in French) Paul Depovere, Jacques Fastrez, Jacques Poupaert, Etienne Sonveaux, Jean-Philippe Soumilion (coord.)

MD1015 General Biology (Complementary activities)[12h] (in French) Pascal Kienlen-Campard

**DENT 12BA Second year of studies****Specific studies (60 credits)**

DENT1210 Head and neck anatomy and embryology[30h+4h] (4 credits) (in French) Michèle Nicaise

DENT1130 Histologie bucco-dentaire[15h+12h] (2 credits) (in French) Marie-Christine Many

BCHM1230 Cell and molecular biology[22.5h+22.5h] (4 credits) (in French) Pierre Courtoy

FARM1201P Physiologie humaine et éléments de physiopathologie (partim 15h-0h)[75h+7.5h] (2 credits) (in French) Emmanuel Hermans, Jean-Christophe Jonas, Nicole Morel, Maurice Wibo

DENT1270 Biochimie générale[45h+15h] (5 credits) (in French) Françoise Bontemps, Mark Rider (coord.)

SBIM1202T Biologie moléculaire (partim 15h)[36h] (2 credits) (in French) Etienne De Plaen, Frédéric Lemaigre, Thomas Michiels, Jean-Noël Octave (coord.)

FARM1282T Microbiologie générale (partim théorie 18h)[18h+15h] (2) Thomas Michiels

	credits) (in French)	
<u>PSME1100</u>	Medical psychology[30h] (3 credits) (in French)	Philippe van Meerbeeck
<u>DENT1201</u>	Introduction to dental science[22.5h+35h] (3 credits) (in French)	Magali Dewaele (supplée N.), William D'Hoore, Gaëtane Leloup, Patrick OBEID, Jean-Pierre Van Nieuwenhuysen (coord.), Gaëtan Vermeersch
<u>ANGL1855</u>	Medical English[30h] (3 credits)	Françoise Stas (coord.)
<u>DENT1211</u>	Neurosciences : neuroanatomy and neurophysiology[45h+30h] (6 credits) (in French)	Michèle Nicaise, Etienne Olivier
<u>DENT1202</u>	Anatomie pathologique générale et bucco-dentaire 1re partie[15h+20h] (2 credits) (in French)	Etienne Marbaix (coord.), Birgit Weynand
<u>DENT1260</u>	Physiologie humaine[45h+15h] (6 credits) (in French)	Sonia Brichard, Nicole Morel
<u>DENT1280</u>	Biochimie spéciale[25h] (3 credits) (in French)	Françoise Bontemps, Gaëtane Leloup (coord.)
<u>DENT1281</u>	Cariology and dental prevention[15h] (2 credits) (in French)	Gaëtane Leloup, Jean-Pierre Van Nieuwenhuysen, José Vreven (coord.)
<u>DENT1282</u>	Operative dentistry (part 1)[22.5h+45h] (4 credits) (in French)	Philippe Jones, Gaëtane Leloup, Jean-Pierre Van Nieuwenhuysen, Gaëtan Vermeersch, José Vreven (coord.)
<u>DENT1283</u>	Prothèse inamovible 1ère partie[30h+33h] (4 credits) (in French)	Alain Brabant, Véronique Brogniez, Christian Vanzeveren
<u>DENT1284</u>	Prothèse amovible 1ère partie[15h+12h] (3 credits) (in French)	Jacques Grimonster, Christian Vanzeveren

## DENT 13BA Third year of studies

### Specific studies (60 credits)

<u>DENT2330</u>	General surgical pathology[22.5h] (2 credits) (in French)	Jan Lerut, Pierre Mahy
<u>DENT2450</u>	General pathophysiology of diseases[45h] (4 credits) (in French)	Daniel Manicourt
<u>PHAR1300</u>	Pharmacologie 1re partie[30h] (3 credits) ▲ (in French)	N.
<u>SBIM1304P</u>	Immunologie générale (partim 30h)[45h] (3 credits) ▲ (in French)	N.
<u>DENT1330</u>	Microbiologie médicale et bucco-dentaire[35h+10h] (4 credits) ▲ (in French)	N.
<u>DENT1385</u>	Gnathologie : Occlusion[15h] (2 credits) ▲ (in French)	N.
<u>DENT1382</u>	Operative dentistry (part 2)[37.5h+135h] (7 credits) ▲ (in French)	N.
<u>DENT1383</u>	Prothèse inamovible 2e partie[20h+67.5h] (4 credits) ▲ (in French)	N.
<u>DENT1384</u>	Prothèse amovible 2ème partie[55h+67.5h] (8 credits) ▲ (in French)	N.
<u>DENT1340</u>	Parodontologie[40h+15h] (4 credits) ▲ (in French)	N.
<u>DENT2370</u>	Ergonomy and professional management[15h] (2 credits) (in French)	Gaëtan Vermeersch
<u>DENT1302</u>	Anatomie pathologique générale et spéciale 2e partie[15h+20h] (2 credits) ▲ (in French)	N.
<u>DENT2460</u>	Dento-maxillofacial radiodiagnosis and radioprotection[15h+15h] (2 credits) (in French)	Philippe Clapuyt, Hervé Reyckler
<u>DENT2440</u>	ELEMENTS OF INTERNAL MEDICINE[45h] (4 credits) (in French)	Benoît Boland (coord.), Patrick Chenu, Dominique Vanpee
<u>DENT1341</u>	Biomatériaux dentaires[15h+15h] (2 credits) ▲ (in French)	N.
<u>DENT1342</u>	Endodontie[37.5h+45h] (5 credits) ▲ (in French)	N.
<u>DENT1309</u>	Stage[0h+40h] ▲ (in French)	N.